



ELECTRICS



EnergyQube 800 + EnergyQube 1600



- Rechargeable via different sources
- Wide range of connection options for various end users
- Compact design with integrated handles in the housing
- Robust aluminum housing with an elegant look

All information can be found on page 985



Premium LiFePO4 batteries



- All models fit under the seat of the Ducato, Jumper and Co.
- DualBMS: Remote access to the battery via Bluetooth and LTE
- Integrated location function for localizing the vehicle (e.g. in event of vehicle theft) - with digital theft card
- Integrated heating function for charging even at sub-zero temp.
- Life expectancy: 15+ years, all models are repairable

All information can be found on page 991



PowerWave Inverter - sine wave inverter (500-3000W) with the latest generation of grid feed-in circuit



- Conversion from 12 V to 230 V pure sine wave voltage
- Integr. protection mechanisms
- Temperature controlled fan
- USB-C port
- Including connection cable

All information can be found on page 1015



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KNOW-HOW & COMPETENCE

TIPS, ADVICE & RECOMMENDATIONS FROM A PRO

SOLAR TECHNOLOGY

Why solar in a motorhome?

- A solar system in the motorhome makes it possible to cover the need for electrical energy self-sufficiently and away from shore power.
- Solar energy is used to generate electricity, which is used to charge the body battery.
- This means that the solar power system can be used in sunny regions in particular be a clear gain for independence.

Retrofitting a solar system

- Solar panels are usually bonded to roof of the vehicle or attached to the roof by means of Spoilers and other devices.
- However, there are also mobile versions that can be used as required.

What do I need to consider before retrofitting?

- How much space is available on the roof?
- How much energy is needed every day? (consumption of the devices)
- How much energy can be stored? (battery capacity)

How do I find the right system?

- To find the right system, the first step is to determine daily consumption of the electrical devices.

Example calculation consumption:

Television: 45 W x 2 hours/day = 90Wh
 Lamps: 3 x 3 W x 3 hours/day = 27Wh
 Low consumption: 15 Wh/day
 Energy consumption: 132 Wh/day

The yield of a solar system can vary greatly over the course of the year. In summer months (May-September), 10 hours of daylight correspond to app. 4 hours of maximum output of the solar system.

Example calculation yield:

e.g. solar panel 90 W
 90 W x 4 hours/day = 360 Wh/day

With the data now available the energy consumption and the required Battery capacity can be calculated.

Example calculation energy consumption for 3 days of independence:

3 x 132 Wh = 396 Wh
 Plus 30% reserve
 1.3 x 396 Wh = 515 Wh

Calculation of ampere hours:

515 Wh : 12 V = 43 Ah
 Discharge reserve
 43 Ah x factor 2 = 86 Ah
 (rounded 90 Ah battery, recommended 100 Ah)

The importance of solar charge controllers

- Charge controllers determine, among other things, how efficiently obtained energy from solar panels is used to charge the batteries.
- The charge controller converts the higher voltage of the panels into the 12 V Voltage of the battery and regulates the current in such a way that the Battery can be charged as ideally as possible.
- Make sure that the charge controller has the appropriate Input voltage and are compatible with the respective battery of the Vehicle.

Why an MPPT charge controller?

- The so-called maximum power point (MPP for short) is the point at which the panel can deliver the highest power. This is just below the open-circuit voltage.
- Chargers with MPPT function (Maximum Power Point Tracking) regulate the current so that the voltage is as close as possible to the MPP. remains. This enables maximum performance output to be achieved.

CHARGERS

- Chargers in the motorhome are used to charge the supply battery, while the vehicle is connected to shore power.
- It should always be ensured that the charger is compatible with the connected battery.

INVERTERS

- In principle, only 12 volts are available in vehicle via the supply battery. If you still want to use appliances such as electric hobs, hair dryers or coffee machines via 230 volts, you need an inverter / Install the inverter.
- As with chargers, care must also be taken here to ensure that the Inverter is compatible with the existing battery.
- With inverters, a distinction is made between devices with sinusoidal-voltage and devices with pure sine wave voltage.
- For certain end devices, we recommend an inverter with pure Sine wave voltage, as they are either quite sensitive or have a high Starting current required for starting. These include, for example, modern Coffee machines / laptops / LED lamps / refrigerators / air conditioners.
- The end devices to be operated also determine which continuous-power and peak power (specified in watts) of the inverters must have. If, for example, a coffee machine has a starting current of 600 W- the peak power of the inverter must be at least this Value.



Product update 2025:
Reinforced construction of the cell connections for less power loss and a long service life.

PowerPanel Flex - from 120 to 165 watts

- ETFE TOP-
- FIBERGLASS OR TPT CARRIER PLATE
- SUN POWER CELLS
- INCL. CABLE 2x 2,5 mm²
- ONLY 3 mm THICK

- Sunpower cells: Significant increase in electricity yield even if angle to sun is not optimal
- App. 5 x lighter than conventional modules
- Can be walked on with flat bonding
- Compact connection with pre-installed cable (2 x 2.5 mm², cable diameter approx. 8 mm)

Thanks to high-quality ETFE surface with honeycomb structure, there is significant performance increase in twilight/cloudy conditions. Especially at high temperatures, the performance is significantly higher than comparable modules. This means maximum efficiency without any loss of performance.

Material top layer:

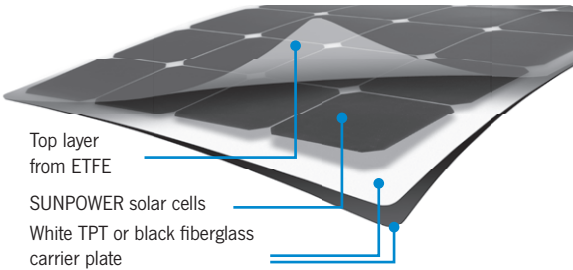
ETFE: Very hard & thin (app. 0.025 mm) material with high light transmission of app. 95%. Heat resistant up to app. 150°C. Very high weather resistance, also suitable for salt water.

Material carrier plate:

TPT: Material with high bending capacity. More flexible than fiberglass.

Fiberglass: Very strong, hard material for the best possible protection of the solar cells.

Structure of Carbest PowerPanel Flex solar modules



Illustrations similar

| | Power Panel Flex 120 Pro black* | Power Panel Flex 135 Pro Square black* | Power Panel Flex 150 Pro black | Power Panel Flex 165 white rear connection box |
|---|---------------------------------|--|--------------------------------|--|
| Power / Cell type | 120 W/Sunpower | 135 W/Sunpower | 150 W/Sunpower | 165 W/Sunpower |
| Material top layer | ETFE | ETFE | ETFE | ETFE |
| Material carrier plate | Fiberglass | Fiberglass | Fiberglass | TPT |
| Cell efficiency | 24,40 % | 24,40 % | 24,4 % | 24,40 % |
| Short circuit current (Isc) | 6,42 A | 6,42 A | 6,41 A | 6,41 A |
| Open circuit voltage (Voc) | 23.3 Volt | 26.2 Volt | 29.2 Volt | 32.1 Volt |
| Rated voltage (Vmp) | 19,8 Volt | 22,3 Volt | 24.8 Volt | 27,3 Volt |
| Rated current (Imp) | 6,07 A | 6,06 A | 6,05 A | 6,05 A |
| Dims. mm LxWxH (Box H) | 1110x540x3 (22) | 855x800x3 (22) | 1360 x 540 x 3 (22) | 1460 x 540 x 3 (22) |
| Cable (2 x 2.5mm ² , Ø approx. 8 mm) | 6 m | 6 m | 6 m | 6 m |
| Weight incl. cable | app. 3.8 kg | app. 4.2 kg | app. 5 kg | app. 4,8 kg |
| Item no. | 853160 | 853161 | 853176 | 853177 |
| Price | 319,- | 349,- | 439,- | 449,- |

* Expected to be available from Q1/25.

We recommend following MPPT solar charge controllers for solar modules:

12 V

VOTRONIC
MPP 260 CI,
15 A / max. 260 W / max. 60 V
For all battery types (including LifePO4).
Dims.: LxWxH 131x77x40mm.

850215 204,-

12 V 24 V BLUE-TOOTH

victron energy
SmartSolar MPPT 100/20,
20 A / max. 290 W / max. 100 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 100x131x60mm.

850232 114,-

12 V 24 V BLUE-TOOTH

CARBEST
MPPT solar charge controller,
20 A / max. 260 W / max. 50 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 165x108x32mm.

851321 89,90





**PowerPanel SFX135 solar module -
Extremely robust with ETFE sheathing**

| | | | | | |
|-----------------|-----------------------|----------------------------------|------------------------|---------------------|--|
| 135 WATT | EXTREME ROBUST | FIBER-GLASS CARRIER-PLATE | SUN POWER CELLS | ETFE-COVERED | 6 m CABLE 2x 2,5 mm ² |
|-----------------|-----------------------|----------------------------------|------------------------|---------------------|--|

- Highly resistant thanks to ETFE front and rear film with welded outer edges
- Sunpower high-performance cells
- Walkable with full-surface bonding
- Compact connection with pre-installed 6m cable (2 x 2.5 mm², cable diameter approx. 8 mm)

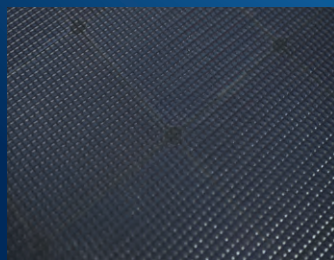
The SUNPOWER high-performance cells are mounted on a stable, black fiberglass carrier plate, which is encased in an extremely resistant ETFE layer. This ETFE film is on both the front and back of the module and is welded together at the edge. This design ensures optimum protection of the internal cells and makes the PowerPanel SFX135 extremely robust against scratches, heat, high humidity and sea and salt water.

| | |
|---|-----------------------|
| Power / Cell type | 135 W/Sunpower |
| Material top layer front and back | ETFE |
| Material carrier plate | Fiberglass (black) |
| Cell efficiency | 24,40 % |
| Short circuit current (Isc) | 6,42 A |
| Open circuit voltage (Voc) | 26.3 Volt |
| Rated voltage (Vmp) | 22,3 Volt |
| Rated current (Imp) | 6,06 A |
| Dims. mm LxWxH (height connection box) | 1235x540x4 (app. 22) |
| Cable (2 x 2.5mm ² , Ø approx. 8 mm) | 6 m |
| Weight incl. cable | approx. 4.7 kg |
| Item no. | 84031 |
| Price | 429,- |

Product update 2025:
Reinforced construction of the cell connections for less power loss and a long service life.



Fiberglass panel, ETFE-coated



SUNPOWER cells



Connection box (H: 22 mm)



6m connection cable

We recommend following MPPT solar charge controllers for solar module:

VOTRONIC

12 V

MPP 260 CI,
15 A / max. 260 W / max. 60 V
For all battery types (including LifePO4).
Dims.: LxWxH 131x77x40mm.

850215 204,-

victron energy

12 V 24 V **BLUE-TOOTH**

SmartSolar MPPT 100/20,
20 A / max. 290 W / max. 100 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 100x131x60mm.

850232 114,-

CARBEST

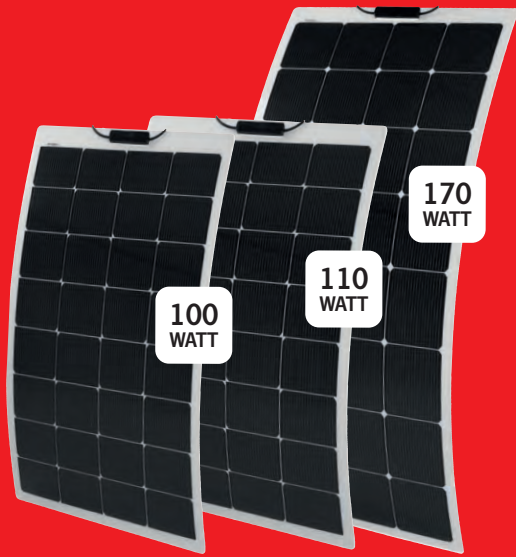
12 V 24 V **BLUE-TOOTH**

MPPT solar charge controller,
20 A / max. 260 W / max. 50 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 165x108x32mm.

851321 89,90

Suitable cable glands can be found on page 979.

FLEXIBLE SOLAR MODULES / SOLAR MODULES WITH ALUMINUM FRAME



MC CAMPING
Outdoor Equipment

The price-performance winners!
Flexible solar modules for the price-conscious
Basic Panel Flex MC-100, MC-110, MC-170

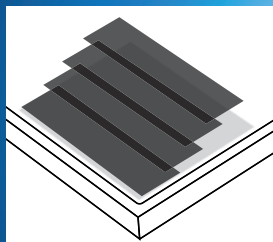


- Top price-performance ratio
- 100 W, 110 W or 170 W power
- High power generation with low weight
- Monocrystalline cells
- PET top layer, TPT carrier sheet
- Incl. 90 cm connection cable with MC4 solar plug and socket

| | Basic Panel Flex MC-100 | Basic Panel Flex MC-110 | Basic Panel Flex MC-170 |
|---|-----------------------------|-----------------------------|-----------------------------|
| Power / Cell type | 100 W/monocrystalline cells | 110 W/monocrystalline cells | 170 W/monocrystalline cells |
| Short circuit current (Isc) | 7,1 A | 6,67 A | 10,32 A |
| Open circuit voltage (Voc) | 20,5 V | 21,12 V | 21,12 V |
| Rated voltage (Vmp) | 18 V | 18 V | 18 V |
| Rated current (Imp) | 5,89 A | 6,14 A | 9,48 A |
| Operating temperature | -40°C ~ +85°C | -40°C ~ +85°C | -40°C ~ +85°C |
| Dims. in mm LxWxH | 940x690x2,5 | 955x700x2,5 | 1370x700x2,5 |
| Cable (4,0mm²) pre-installed with MC4 plug and socket | 0,9 m | 0,9 m | 0,9 m |
| Weight | app. 2.4 kg | app. 2,5 kg | app. 3,5 kg |
| Carrier plate color | White | White | White |
| Art. No. | 853410 | 853412 | 853413 |
| Price | 184,90 | 202,90 | 247,90 |

Please order MC4 solar connector set (84052) for connection. Details can be found on page 978.

CARBEST



Shingle technology



Solar modules with shingle cell technology
for more power with the same surface area



State-of-the-art shingle technology:

Narrow, overlapping cell strips without gaps instead of single cells. This special design reduces the internal losses and increases the module output.

- More power in the same space
- Less power loss with partial shading
- 10% higher surface efficiency compared to standard solar cells
- Robust aluminum frame (black)

| | CBS-120 Shingle | CBS-150 Shingle |
|---------------------------------|----------------------------|----------------------------|
| Power / Cell type | 120 W / shingle technology | 150 W / shingle technology |
| Cell efficiency | 22,70 % | 22,70 % |
| Short circuit current (Isc) | 6,28 A | 6,24 A |
| Open circuit voltage (Voc) | 24 V | 30,1 V |
| Rated voltage (Vmp) | 20,3 V | 25,5 V |
| Rated current (Imp) | 5,92 A | 5,89 A |
| Operating temperature | -40°C ~ +85°C | -40°C ~ +85°C |
| Dims. in mm LxWxH | 1165x540x35 | 1450x540x35 |
| Cable (2x 2,5mm²) pre-installed | 6 m | 6 m |
| Weight | app. 7 kg | app. 9.5 kg |
| Carrier plate color | Black | Black |
| Art. No. | 8523899 | 8523900 |
| Price | 189,- | 239,- |



High-performance solar modules with aluminum frames from 120 to 190 watts

- ALUMINIUM FRAME
- SAFETY GLASS
- MONO CELLS
- INCL. CABLE
2x 2,5 mm²

- All solar modules with solid aluminum frame (CB series: color silver, Full Black series: color black)
- Monocrystalline cells under annealed glass
- Protected cable connection (2x 2.5 mm²)
- 25-year performance guarantee (on solar module) (still 80% output after 25 years)*

TOTAL
8 MODULE
FOR SELECTION



| | CB-120 Slim (slim design)** | CB-120** | CB-155 | CB-170 | 115W Full-Black | 155W Full-Black | 170W Full-Black | 190W Full-Black** |
|--|-----------------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-------------------|
| Power / Cell type | 120 W/mono. | 120 W/mono. | 155 W/mono. | 170 W/mono. | 115 W/mono. | 155 W/mono. | 170 W/mono. | 190 W/mono. |
| Cell efficiency | 22,70% | 22,8% | 22,0% | 22,0% | 22,4% | 22,4% | 22,4% | 22,70% |
| Short circuit current (Isc) | 6,77 A | 5,58 A | 8,3 A | 9,02 A | 6,27 A | 8,45 A | 9,03 A | 9,07 A |
| Open circuit voltage (Voc) | 21.8 Volt | 26.4 Volt | 23.96 Volt | 24,18 Volt | 23,52 Volt | 23,52 Volt | 24,16 Volt | 25.7 Volt |
| Rated voltage (Vmp) | 18,6 Volt | 22.6 Volt | 19,8 Volt | 19,85 Volt | 19,43 Volt | 19,43 Volt | 19,80 Volt | 22 Volt |
| Rated current (Imp) | 6,46 A | 5,31 A | 7,83 A | 8,56 A | 5,92 A | 7,98 A | 8,59 A | 8,64 A |
| Dims. in mm LxWxH | 1580x410x35 | 1170x540x35 | 1640x545x35 | 1755x545x35 | 1200x545x35 | 1640x545x35 | 1755x545x35 | 1265x770x35 |
| Cable (2x 2.5mm ²) pre-installed | 6m | 6m | 6m | 6m | 6m | 6m | 6m | 6m |
| Weight app. | 7,5 kg | 7,5 kg | 10,5 kg | 11,3 kg | 7,5 kg | 10,5 kg | 11,3 kg | 10,9 kg |
| Art. No. | 852369 | 852370 | 852389 | 852391 | 852388 | 852390 | 852392 | 852394 |
| Price | 159,- | 149,90 | 219,- | 259,- | 199,- | 269,- | 299,- | 239,- |

** Expected to be available from Q1/25.

Mounting accessories for solar modules with aluminum frames can be found on page 978

* You can find our warranty conditions on pg. 1096.

COMPLETE SOLAR SETS WITH CB-SOLAR MODULES



CB Solar complete sets from 120 to 310 watts

ALUMINIUM
FRAME
SILVER

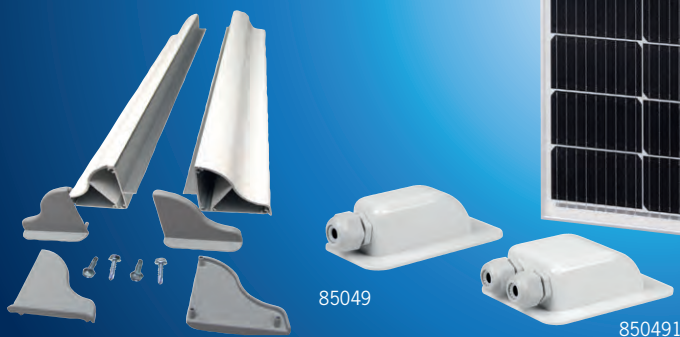
SAFETY
GLASS

MONO
CELLS

INCL.
CABLE
2x 2,5
mm²

ALL SETS INCL. BRACKET, ROOF
BUSHING AND SOLAR CABLE

- Sets include solar module(s) with mounting spoiler, roof duct and solar cable
- MPPT solar controller (opt. orderable)
- Monocrystalline cells, silver, solid aluminum frame
- Tempered glass
- With pre-installed connection cable (2x 2.5mm²)
- 25-year performance guarantee (on solar module) (still 80% output after 25 years)*



85049

850491

| | Complete set CB-120 Slim** | Complete set CB-120** | Complete set CB-155 | Complete set CB-170 | Complete set CB-240 | Complete set CB-310 |
|--------------------------------|-------------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| Power / Cell type | 1x 120 W/mono. | 1x 120 W mono. | 1x 155 W mono. | 1x 170 W mono. | 2x 120 W mono. | 2x 155 W mono. |
| Solar panel | 1x 852369 | 1x 852370 | 1x 852389 | 1x 852391 | 2x 852370 | 2x 852389 |
| Dims. in mm LxWxH | 1580x410x35 | 1170x540x35 | 1640x545x35 | 1755x545x35 | 1170x540x35 | 1640x545x35 |
| Cable (2x 2,5mm ²) | 6 m | 6 m | 6 m | 6 m | 6 m | 6 m |
| Cable gland (white) | 85049 | 85049 | 85049 | 85049 | 850491 | 850491 |
| Mounting spoiler (white) | 850900 | 850906 | 850906 | 850906 | 2x 850906 | 2x 850906 |
| Art. No. | 851085 | 851086 | 851087 | 851088 | 851089 | 851090 |
| Price | 209,- | 217,- | 279,- | 319,- | 419,- | 559,- |

** Expected to be available from Q1/25.

Power adhesive for mounting solar modules with aluminum frames can be found on pg. 978

We recommend following MPPT solar charge controllers for CB-120B to CB-240 solar sets:

12 V



VOTRONIC

MPP 260 CI,
15 A / max. 260 W / max. 60 V
For all battery types (including LifePO4). Dims.: LxWxH 131x77x40mm. **850215 204,-**

12 V
24 V

BLUE-TOOTH



victtron energy

SmartSolar MPPT 100/20,
20 A / max. 290 W / max. 100 V
For all battery types (including LifePO4). Free app. Dims.: LxWxH 100x131x60mm. **850232 114,-**

12 V
24 V

BLUE-TOOTH



CARBEST

MPPT solar charge controller,
20 A / max. 260 W / max. 50 V
For all battery types (incl. LifePO4). Free app. Dims.: LxWxH 165x108x32mm. **851321 89,90**

MPPT solar charge contr. for solar set CB-310:

12 V

BLUE-TOOTH



CARBEST

① **MPPT solar charge controller,**
25 A / max. 350 W / max. 50 V
For above complete set CB-310 (851090). For all battery types (incl. LifePO4). Bluetooth function can only be used with optional Bluetooth module (851007). Free app. Dims.: LxWxH 150x80x40 mm. **851006 99,90**

② **Bluetooth module with 3m cable**
851007 24,90

* You can find our warranty conditions on pg. 1096.



**Full-Black Solar complete sets
from 115 to 190 watts**

- ALUMINIUM FRAME BLACK
- SAFETY GLASS
- MONO CELLS
- INCL. CABLE 2x 2,5 mm²
- ALL SETS INCL. BRACKET, ROOF BUSHING AND SOLAR CABLE

- Sets include solar module(s) with mounting spoiler, roof duct and solar cable
- MPPT solar controller (opt. orderable)
- Monocrystalline cells, black coated aluminum frame
- With pre-installed connection cable (2x 2.5mm²)
- 25-year performance guarantee (on solar module) (still 80% output after 25 years)*



850909 / 850912

| | Complete set 115W Full-Black | Complete set 155W Full-Black | Complete set 170W Full-Black | Complete set 190W Full-Black** |
|--------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|
| Power / Cell type | 1x 115 W/mono. | 1x 155 W/mono. | 1x 170 W /Mono. | 1x 190 W/mono. |
| Solar panel | 1x 852388 | 1x 852390 | 1x 852392 | 1x 852394 |
| Dims. in mm LxWxH | 1200x545x35 | 1640x545x35 | 1755x545x35 | 1265x770x35 |
| Cable (2x 2,5mm ²) | 6 m | 6 m | 6 m | 6 m |
| Cable grommet (black) | 850493 | 850493 | 850493 | 850493 |
| Mounting spoiler (black) | 850909 | 850909 | 850909 | 850912 |
| Art. No. | 851099 | 851107 | 851108 | 851109 |
| Price | 259,- | 329,- | 419,- | 479,- |

** Expected to be available from Q1/25.

Power adhesive for mounting solar modules with aluminum frames can be found on pg. 978

We recommend following MPPT solar charge controllers for solar sets:

VOTRONIC

12 V

MPP 260 CI,
15 A / max. 260 W / max. 60 V
For all battery types (including LifePO4).
Dims.: LxWxH 131x77x40mm.

850215 204,-

victron energy

12 V 24 V BLUE-TOOTH

SmartSolar MPPT 100/20,
20 A / max. 290 W / max. 100 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 100x131x60mm.

850232 114,-

CARBEST

12 V 24 V BLUE-TOOTH

MPPT solar charge controller,
20 A / max. 260 W / max. 50 V
For all battery types (incl. LifePO4). Free app.
Dims.: LxWxH 165x108x32mm.

851321 89,90

* You can find our warranty conditions on pg. 1096.



MT BLACK LINE
individual modules / complete systems

- Performance advantages in unfavorable weather conditions
- Complete sets with mounting accessories

Equipment of complete solar systems: MT-Black Line solar module(s), solar controller Power Plus with temp. sensor, roof spoiler set incl. acc., roof duct, adhesive set for spoiler set & roof duct, interior/exterior cable set, cable set for vehicles with EBL base station, small parts, installation instructions.

| Individual modules | MT 80 MC | MT 110 MC | MT 170 MC |
|---------------------------|-----------------|-----------------|----------------|
| Rated power (Wp): | 80 | 110 | 170 |
| Daily output (Wh/T): | 320 | 440 | 680 |
| Open circuit voltage (V): | 21,6 | 21,6 | 22,3 |
| Weight: | 7 | 9 | 13 |
| Number of cells: | 72 | 72 | 72 |
| Dims. (W x D x H mm): | 1050 x 450 x 35 | 1215 x 530 x 35 | 1480x 660 x 66 |
| Item no. | 85339 | 85348 | 853000 |
| Price | 389,- | 489,- | 779,- |

| Complete systems | MT 75 MC-S | MT 110 MC | MT 150-2 MC-S |
|-----------------------|-----------------|--------------|---------------------|
| Power (Wp): | 75 | 110 | 150-2 |
| Daily output (Wh/T): | 300 | 440 | 600 |
| Number of modules: | 1 | 1 | 2 x 75 W |
| Dims. (W x D x H mm): | 1470 x 335 x 66 | x 530 x 66 | 2 x 1470 x 335 x 66 |
| Item no. | 85354 | 85356 | 85357 |
| Price | 599,- | 675,- | 989,- |



MT CDS POWER LINE complete system

- Optimum performance with partial shading

Features of the MT CDS POWER LINE complete solar system:

Monocrystalline MT CDS POWER LINE solar modules, MPPT solar cont. with temperature sensor, roof spoiler set including accessories, roof duct, Adhesive set for spoiler set & roof duct, interior/exterior cable set, cable set for vehicles with EBL base station, small parts, installation instructions.

| Complete systems | MT 420-2 CDS |
|----------------------|---------------------|
| Power (Wp) | 420 |
| Number of modules | 2 x 210 W |
| Dims. L x W x H (mm) | 2 x 1760 x 600 x 66 |
| Art. no. | 853033 |
| Price | 2659,- |



MT POWER LINE complete solar systems

- Complete sets with mounting accessories
- Extremely high efficiency
- With MPPT solar controller

Equipment of MT POWER LINE complete solar systems: Monocrystalline MT-POWER LINE solar module(s), MPPT solar controller with temp. sensor, roof spoiler set incl. acc., roof bushing, adhesive set for spoiler set and roof bushing, interior/exterior cable set, cable set for vehicles with EBL base station, small parts, inst. instructions.

| Complete systems | MT 90 | MT 130 | MT 180-2 |
|----------------------|----------------|-----------------|--------------------|
| Output (Wp-Wh/day) | 90/400 | 130/580 | 180/800 |
| Number of modules | 1 | 1 | 2 x 90 W |
| Dims. L x W x H (mm) | 980 x 600 x 66 | 1449 x 530 x 66 | 2 x 880 x 600 x 66 |
| Art. no. | 853016 | 853006 | 853017 |
| Price | 775,- | 959,- | 1355,- |

The price-performance winners!
Solar sets from 120 W to 185 W power

- ALUMINIUM FRAME BLACK
- SAFETY GLASS
- MONO CELLS
- 6 m CABLE
2x 2,5 mm²
- ALL SETS INCL. BRACKET, ROOF BUSHING AND SOLAR CABLE

- Aluminum spoiler profile (black) already pre-installed
- 6 m cable (2x 2.5mm²) pre-installed
- Including roof duct
- All black design
- 20-year performance guarantee (on solar module) (still 80% output after 20 years)*

Sets include a solar module with pre-installed aluminum mounting profile (spoiler), pre-installed 6m solar cable and a roof bushing. All components are optimally coordinated. (Solar charge controller not incl. in scope of delivery.)

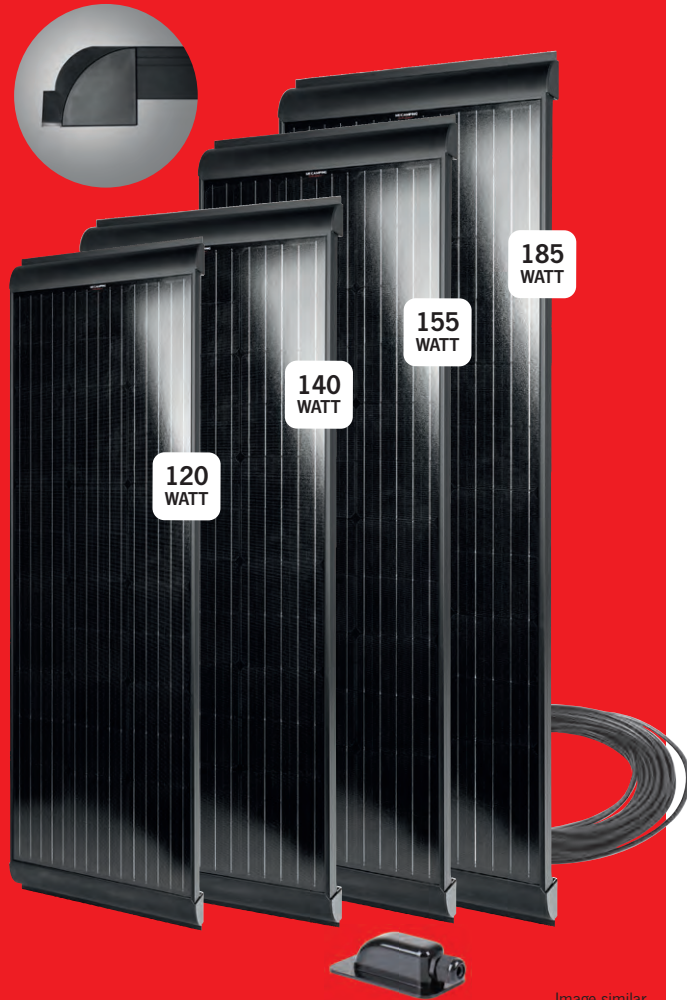
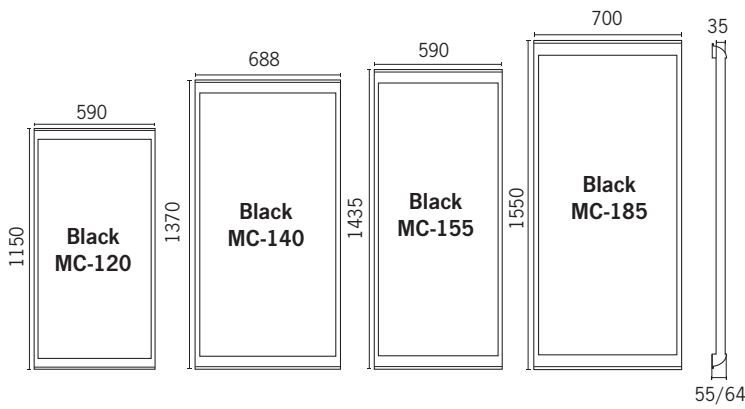


Image similar

| | Black MC-120 | Black MC-140 | Black MC-155 | Black MC-185 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Power / Cell type | 120 W / monocrystalline | 140 W / monocrystalline | 155 W / monocrystalline | 185 W / monocrystalline |
| Efficiency | 22,7% | 20,70% | 22,7% | 18,90% |
| Short circuit current (Isc) | 6,7 A | 8,40 A | 6,81 A | 11,00 A |
| Open circuit voltage (Voc) | 22 V | 21,6 V | 28 V | 21,6 V |
| Rated voltage (Vmp) | 18,8 V | 18 V | 23,9 V | 18 V |
| Rated current (Imp) | 6,39 A | 7,77 A | 6,49 A | 10,27 A |
| Operating temperature | -40°C ~ +85°C | -45°C ~ +80°C | -40°C ~ +85°C | -45°C ~ +80°C |
| Dims. incl. spoiler LxWxH (mm) | 1150x590x35/55 | 1370x688x35/64 | 1435x590x35/55 | 1550x700x35/64 |
| Cable (2x 2,5mm ²) pre-installed | 6 m | 6 m | 6 m | 6 m |
| Weight | app. 10 kg | app. 12 kg | app. 12 kg | app. 14 kg |
| Art. No. | 840330 | 84034 | 840340 | 840341 |
| Price | 199,- | 249,- | 259,- | 299,- |

We recommend following MPPT solar charge controller for Mc Camping solar sets:

MC-SC20 - MPPT solar charge controller 12/24V 20A with integrated Bluetooth function

- Bluetooth function integrated in the housing
- All controller settings are made via the free app
- Suitable for all battery types: GEL/lead-acid/AGM/LiFePO4
- Robust and completely sealed aluminum housing (IP67)

Four-stage charging: MPPT, boost, equalization charge, trickle charge. Fully automatic electrical protection functions. Free app. 12/24 V, max. charging current: 20 A, solar module output: 12/24V max. 260/520 W, max. solar module voltage: 55 V, dims. LxWxH app. 146x88x43 mm, weight: 720 g.

851310 89,90



- E
ECE R10
- 20 A
- 12V
24V

* You can find our warranty conditions on pg. 1096.



BOCCI
Camiano

OF RE 149



Foldable solar modules

- Small pack size, mobile use, thermal resistance
- Highly efficient solar cells for maximum performance
- With stiffened support plate & 6 m solar cable

① **Foldable solar module, 190-12 V KVM6**

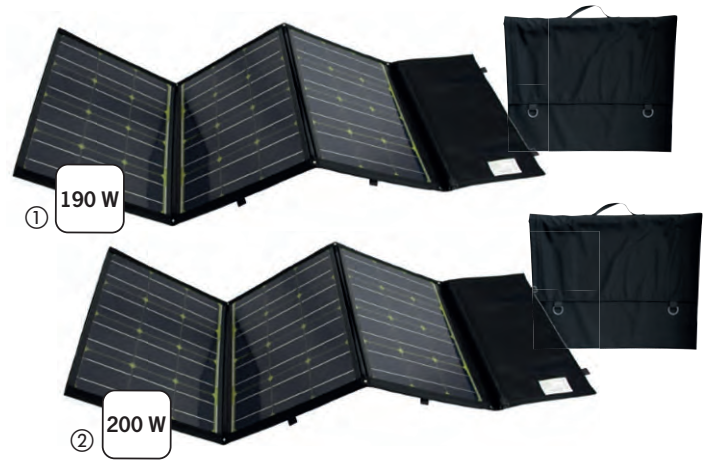
Power: 190 W, voltage: 19.8 V, open-circuit voltage 24.20 V, dims. folded: L x W x H 580 x 708 x 40 mm, unfolded: L x W x H 1645 x 708 x 10 mm. Weight app. 7.5 kg.

840203 609,-

② **Foldable solar module, 200-12/24 V KVM6C**

Power: 200 W, voltage: 41.9 V, open-circuit voltage 48.10 V, dims. folded: L x W x H 580 x 708 x 40 mm, unfolded: L x W x H 1645 x 708 x 10 mm. Weight app. 7.5 kg.

840220 609,-

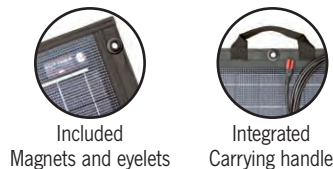


Foldable solar module MT SM 120 TL

- Integrated eyelets and magnets facilitate attachment
- Including solar controller Travel Line (for various 12 V batteries)

Protected by a highly stable back material, sewn into a tarpaulin fabric from the boat sector. Sewn-in industrial magnets provide support, e.g. on the van roof and eyelets for hanging. Integrated charge controller for wet, AGM & gel batteries. 10 m connection cable pre-installed.

| | |
|--------------|---------------|
| Power (Wp) | 120 |
| Weight | 5,7 kg |
| Dims. open | 1106 x 850 mm |
| Dims. folded | 1106 x 420 mm |
| Art. no. | 852931 |
| Price | 1295,- |



Included Magnets and eyelets

Integrated Carrying handle



BÜTTNER
→ **DOMETIC**



Individual modules & complete systems MT FLAT LIGHT

- Low installation height, modules can be walked on
- High-performance cells suitable for all climate zones
- PP solar regulator with second charging output for starter battery
- Connection to EBL possible

FLAT LIGHT modules can be bonded to surface of slightly curved roofs & can be walked on. The solar controller is equipped with a temperature sensor for the on-board battery and a connection for a solar remote display. For vehicles with EBL, an adapter cable is included for connection.



Individual modules

Complete systems

Individual modules

| | MTSM-120 FL | MT150 FL | MT170 FLQ |
|----------------|----------------|----------------|---------------|
| Power (Wp) | 120 | 150 | 170 |
| No. of modules | 1 | 1 | 1 |
| Bendable | yes | yes | yes |
| Dims. mm | 1 x 1120 x 540 | 1 x 1380 x 540 | 1 x 980 x 980 |
| Art. no. | 853066 | 853067 | 853068 |
| Price | 879,- | 1095,- | 1065,- |

Complete systems

| | MT120 FL | MT170 FLQ | MT300-2 FL | MT300-2 FLQ | MT340-2 FLQ |
|----------------|----------------|---------------|----------------|---------------|---------------|
| Power (Wp) | 120 | 170 | 300 | 300 | 340 |
| No. of modules | 1 | 1 | 2 x 150 W | 2 x 150 W | 2 x 170 W |
| Bendable | yes | yes | yes | yes | yes |
| Dims. mm | 1 x 1120 x 540 | 1 x 980 x 980 | 2 x 1380 x 540 | 2 x 980 x 980 | 2 x 980 x 980 |
| Art. no. | 853060 | 853062 | 853064 | 85396 | 853070 |
| Price | 1125,- | 1340,- | 2399,- | 2289,- | 2580,- |

MT-Solar remote displays

- ① MT Solar Remote Display II. Display shows: Charging current (A), system voltage (V), charging function, solar power, time & date. With current meter function (Ah and Wh). With 5 m connection cable. Dims. (H x W x D): 85 x 80 x 20 mm. Color: Silver **85115 125,-**
Farbe: Schwarz **851151 119,-**
- ② Surface-mounted housing for MT solar remote display II, dims. (H x W x D): 87 x 83 x 27 mm Color: silver **85113 34,-**
- ③ MT iQ-SolarPRO incl. Hall sensor. Display of charging current, voltage, solar power & a resettable current counter function. Color: Black. **810240 249,-**

Extension cable for remote display II, length: 5 m (not shown) **E1460 9,95**



Remote display only with Büttner electronics Solar controllers can be used!

BÜTTNER
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Foldable Power Solar Panel SC100

- 100 WATT
- MONO-CRISTAL-LINE CELLS
- SHINGLE PERC CELLS
- ETFE TOP-
- 3x USB
- PROTEC-TION-BAG

- Shingle PERC solar cells (monocrystalline) for more power on the same area and less loss in case of partial shading
- ETFE surface: Very robust with high light transmission
- Suitable for standing or hanging
- Sewn-on bag with integrated cable connection & 3x USB 1x USB-A (5V/3A max.) 1x USB-QC 3.0 (5V/3A, 9V/2A, 12C/1.5A max.) 1x USB-C PD 3.0 (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A max.)
- Includes 2 cables for connection to mobile power systems*:
 - 1x 5m extension cable (2x 2.5mm²) with Anderson Mini on both sides
 - 1x 1m adapter cable (2x 2.5mm²) with Anderson Mini / Anderson 50 A
- Additional protective cover with attached pocket for storing the connection cables

| | |
|---|-----------------------|
| Power | 100 watt |
| Cell type | Monocrystalline cells |
| Rated voltage (Vmp)/rated current (Imp) | 19.4 V / 5.16 A |
| Open circuit voltage (Voc) | 22,9 V |
| Short circuit current (Isc) | 5,46 A |
| Max. System voltage (V) | 100 VDC |
| Cell efficiency | 22 % |
| Dims. open in mm | 1100x615x16 |
| Dims. closed in mm | 615x550x32 |
| Weight incl. acc. app. | 4,5 kg |
| Item no. | 82510 |
| Price | 299,- |

*Prerequisite: Solar controller already pre-installed in device. When connecting to a car battery or a power system without an integrated solar controller, it is mandatory to connect a separate solar controller and fuse.

Foldable Power Solar Panel SC200

- 200 WATT
- MONO-CRISTAL-LINE CELLS
- SHINGLE PERC CELLS
- ETFE TOP-
- 3x USB
- PROTEC-TION-BAG

- Shingle PERC solar cells (monocrystalline) for more power on the same area and less loss in case of partial shading
- ETFE surface: Very robust with high light transmission
- Suitable for standing or hanging
- Sewn-on bag with integrated cable connection & 3x USB 1x USB-A (5V/3A max.) 1x USB-QC 3.0 (5V/3A, 9V/2A, 12C/1.5A max.) 1x USB-C PD 3.0 (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A max.)
- Includes 2 cables for connection to mobile power systems*:
 - 1x 5m extension cable (2x 4mm²) with Anderson Mini on both sides
 - 1x 1m adapter cable (2x 4mm²) with Anderson Mini / Anderson 50 A
- Additional protective cover with attached pocket for storing the connection cables

| | |
|---|-----------------------|
| Power | 200 watt |
| Cell type | Monocrystalline cells |
| Rated voltage (Vmp)/rated current (Imp) | 19.4 V / 10.31 A |
| Open circuit voltage (Voc) | 22,9 V |
| Short circuit current (Isc) | 10,93 A |
| Max. System voltage (V) | 100 VDC |
| Cell efficiency | 22 % |
| Dims. open in mm | 2040x615x16 |
| Dims. closed in mm | 615x550x32 |
| Weight incl. acc. app. | 7,5 kg |
| Item no. | 82509 |
| Price | 399,- |

*Prerequisite: Solar controller already pre-installed in device. When connecting to a car battery or a power system without an integrated solar controller, it is mandatory to connect a separate solar controller and fuse.



Magnetic closure in carrying handle

Included Extension cable (5m)

Included Adapter cable (1m)

Foldable solar case Power Solar Panel HC130

- 130 WATT
- MONO-CRISTAL-LINE CELLS
- ETFE TOP-
- BLACK DESIGN
- PROTEC-TION-BAG

- High quality monocrystalline cells
- ETFE surface: Very robust with high light transmission
- Narrow aluminum frame with edge protection corners
- All black design
- Fold out feet for standing
- Includes 2 cables for connection to mobile power systems*:
 - 1x 5m extension cable (2x 2.5mm²) with Anderson Mini on both sides
 - 1x 1m adapter cable (2x 2.5mm²) with Anderson Mini / Anderson 50 A
- Additional protective cover with attached pocket for storing the connection cables

| | |
|---|-----------------------|
| Power | 130 watt |
| Cell type | Monocrystalline cells |
| Rated voltage (Vmp)/rated current (Imp) | 20.5 V / 6.35 A |
| Open circuit voltage (Voc) | 24 V |
| Short circuit current (Isc) | 6,66 A |
| Max. System voltage (V) | 100 VDC |
| Cell efficiency | 22,70 % |
| Dims. open in mm | 1193x635x25 |
| Dims. closed in mm | 635x595x50 |
| Colour | Black |
| Weight app. | 7,5 kg |
| Item no. | 82508 |
| Price | 259,- |

*Prerequisite: Solar controller already pre-installed in device. When connecting to a car battery or a power system without an integrated solar controller, it is mandatory to connect a separate solar controller and fuse.

Optional accessories for all solar systems on this double page

① Connection cable for power

units Adapter cable XT60 for connection to a lithium energy system with XT60 connection (e.g. Ecoflow). Anderson Mini / XT60. Cable length: 1m, (2x 2.5mm²).
850923 19,90



Adapter cable Ecoflow

Pre-assembled cable sets for connecting a solar charge controller (solar charge controller not included)

② Cable set with battery terminals

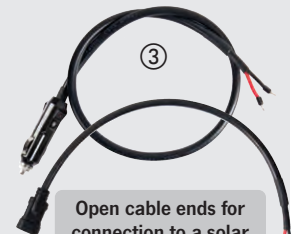
Cable 1: Battery terminals with fuse / open cable end. Cable length: 1m, (2x 2.5mm²).
Cable 2: Anderson Mini / open cable end. Cable length: 40 cm, (2x 2.5mm²).
850924 24,60



Open cable ends for connection to a solar charge controller

③ Cable set with cigarette lighter plug

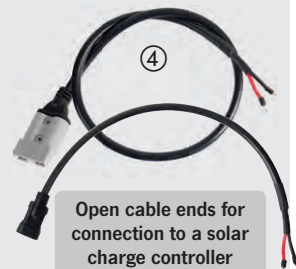
Cable 1: Cigarette lighter plug with integrated fuse / open cable end. Cable length: 1m, (2x 2.5mm²).
Cable 2: Anderson Mini / open cable end. Cable length: 40 cm, (2x 2.5mm²).
850925 21,90



Open cable ends for connection to a solar charge controller

④ Cable set with Anderson 50A plug

Cable 1: Anderson 50 A / open cable end. Cable length: 1m, (2x 2.5mm²).
Cable 2: Anderson Mini / open cable end. Cable length: 40 cm, (2x 2.5mm²).
850926 21,90



Open cable ends for connection to a solar charge controller

We recommend following MPPT solar charge controller for solar systems on this double pg:

MPPT Solar charge controller 12/24V - 20A with integrated Bluetooth function



- Bluetooth integrated, all controller settings via free app
- Suitable for all battery types (GEL, lead-acid, AGM, LiFePO4)
- Particularly quiet due to fanless design
- LED status display

Solar module output: 12/24V max.: 260/520W, max. solar module voltage: 50V, max. charging current: 20A, protection class: IP54, dimensions: LxWxH 165x108x32mm, weight: 700g. **851321 89,90**

Detailed view of the different plugs (Fig. similar):



Mini Anderson Anderson 50 A XT60

SOLAR MOUNTING / SOLAR CONNECTOR / SOLAR CABLE



CARBEST

Aluminum spoiler profile

- 2 pieces, can be shortened as required
- Fastening: Gluing and/or screwing
- Suitable for Carbest solar modules
- Scope of delivery: extruded profile, plastic caps, self-tapping screws, installation instructions

Aluminum spoiler profile 410 mm

(suitable for Carbest module 852387)

Color white 850900 49,95

Alu-Spoilerprofil 550 mm (suitable for all Carbest modules with a width of 540/545 mm)

Color white 850906 56,90

Black color 850909 56,90

Aluminum spoiler profile 770 mm

(suitable for Carbest module 852394)

Color black 850912 64,90

Alu-Spoilerprofil 840 mm

Black color 850911 69,90

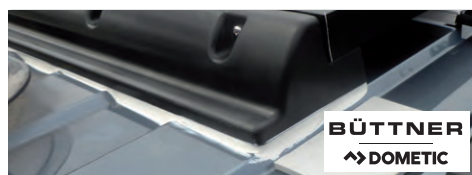


Solar module holder with cable bushing

- Extremely resilient (TÜV-tested safety)
- Ageing-resistant high-performance plastic
- Centering grooves as an assembly aid

4 x solar module holder

(1x cable aperture M16, for a module weight of up to max. 7 kg) 85169 49,95



Bead filler set box van

Compensates for the profiled roof surface on Fiat Ducato panel van. This creates a cont. bonding surface for retaining profiles and solar modules. The bead fillers are inserted into the recesses and glued in place with Sikaflex. 85261 22,-

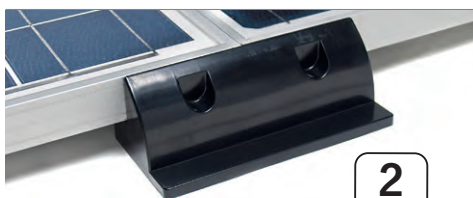


4
PIECE

CARBEST

Corner profile set of 4

Made of ABS plastic, 150/150 mm, 4 pieces in a set 85162 35,-



2
PIECE

CARBEST

Connection set

Made of ABS plastic, 180 mm, 2 pieces in a set, for connecting solar modules. 85163 21,-



Solar cable, 2-wire, 10 meters

UV, ozone and weather resistant. For connecting the module & solar controller. Length: 10 m.

2 x 2.5 mm² up to 160 W module power GP* 3,90/1 m 85073 38,95

2 x 4.0 mm² from 160 W module power GP* 5,90/0 m 850732 58,95

GP* = Base price per specified unit

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MT solar panel mounting profiles

Can be screwed onto all solar modules with an all-round aluminum frame. Subsequent mounting on the vehicle roof with the MT adhesive set. Material: PUR.

Spoiler sets for 2 profiles

- ① MT SP 45 for module width up to app. 45 cm 850761 79,-
- ② MT SP 53 for module width up to app. 53 cm 850762 89,-
- ③ MT SP 60 for module width up to app. 60 cm 850763 92,-
- ④ MT SP 64/65 for module width up to app. 66 cm 850764 96,-
- ⑤ Corner set MT EP 4 for 1 module 850765 88,-
- ⑥ Connector set MT VP 2 Connecting profiles 850766 46,-

Adhesive for solar systems



DEKAsyl power adhesive, 100 ml

GP* 145,00/1l 50067 14,50

Please also order activator for ABS plastics

(e.g. solar corner profile): Dekavator 30 ml bottle for priming and strengthening the adhesion of ABS plastics. GP*643,33 /1l 50111 19,30



DEKASYL MS-5, 290 ml

Black GP* 92,41 /1l 500304 26,80

Weiß GP* 92,41 /1l 500305 26,80



Assembly adhesive Sikaflex-554, 300 ml

UV and ageing stable, primerless assembly adhesive, can be painted over.

White GP* 68,67 /1l 294111 20,60

Black GP* 74,33 /1l 294113 22,30

Danger: EUH240, H211, H208

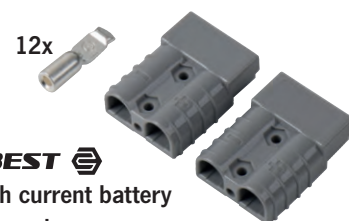
BÜTTNER
→DOMETIC



MT bonding set for solar systems

Includes Sika® Primer-210, Sika® Activator-205, Sikaflex®, stainless steel screws, sanding fleece, instructions. MT bonding set II for 2 modules 850741 85,-

Danger: H225, H319, H334, H317, H336



CARBEST

50 A high current battery connector set

2 pole plug connector that can be used as a plug and socket. Current max. 50A. incl. 12 receptacles for cable cross-sections: 4x 4-6mm², 4x 5-10mm², 4x 8-16mm², dims. (L x W x H): 48 x 35 x 15.9 mm

Scope of delivery: 2 x connectors (set) and

12 x crimp contacts. 850920 7,95



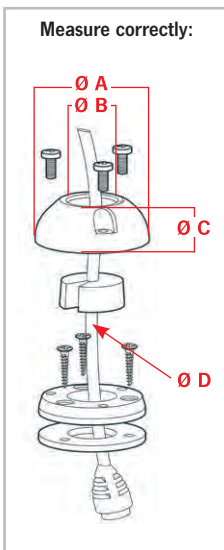
- Extremely high-quality maritime versions (seawater-resistant)
- Different sizes for a perfect cable fit
- High-quality manufacturing (marine quality)
- Can be used as a wall or roof outlet
- Protection class IP68 (waterproof, dustproof)

The manufacturer promises 100% tightness with professional installation. Well proven with high quality. Made of high-quality aluminum, stainless steel or glass-fiber reinforced plastic (particularly impact-resistant). Extremely robust construction. They can withstand even toughest conditions, such as storms and salt water.

Premium
Marine quality



| | D Cables (Ø mm) | B Opening max. Ø (mm) | A Width (mm) | C Height (mm) | Material | Item no. | Price |
|---------------|-----------------------|--------------------------------|--------------------|---------------------|-----------------|----------|--------|
| ① DS-H6 | 2 - 6 | N/A | 30 | 17,0 | Plastic gray | 85241 | 24,95 |
| ② DS16 | 2 - 8 | 16 | 39 | 19,0 | Plastic gray | 85140 | 29,95 |
| ③ DS16 | 2 - 8 | 16 | 39 | 19,0 | Plastic black | 85257 | 29,95 |
| ④ DS16 | 2 - 8 | 16 | 39 | 19,0 | Stainless steel | 85160 | 56,95 |
| ⑤ DS21B | 9 - 14 | 21 | 39 | 19,0 | Plastic black | 851407 | 36,99 |
| ⑥ DS-H10 | 6 - 10 | 10 | 43 | 28 | Plastic gray | 851405 | 34,95 |
| ⑦ DS-H10 | 6 - 10 | 10 | 43 | 28 | Plastic, black | 85258 | 34,95 |
| ⑧ DS-HD6 | 5 - 6 | 2x 5-6 | 54 | 22 | Plastic black | 851406 | 37,99 |
| ⑨ DS-HD10 | 6 - 10 | 2x 10 | 75 | 28 | Plastic black | 851408 | 49,99 |
| ⑩ DS-Multi-H | 2 - 15 | 4x 15 | 115 | 36 | Plastic black | 851410 | 65,99 |
| ⑪ DS-Multi-P | 2 - 15 | 4x 15 | 105 | 23 | Plastic black | 851409 | 51,99 |
| ⑫ DS-LP-Multi | 4 - 7 | 70x18,5 | 114 | 6,5 | Aluminum black | 851411 | 129,99 |



* Roof cut-out required: approx. 8.5x3.5 cm.



| | A Width Ø in mm | B Opening max. Ø in mm | C Height mm | D Cables Ø in mm | Material | Item no. | Price |
|---------|-----------------------|---------------------------------|-------------------|------------------------|----------|----------|-------|
| ① DG8P | 35 | 10 | 12 | 2,5 - 6 | Plastic | 85192 | 10,95 |
| ② DG21P | 49 | 25 | 19 | 4,5 - 9 | Plastic | 85194 | 22,95 |
| ③ SE1P | app. 50 x 70 | 8 | - | 2 - 8 | Plastic | 85200 | 15,95 |
| ④ SE6P | app. 55 x 75 | 12 | - | 10 - 12 | Plastic | 85201 | 21,95 |
| ④ DK2 | app. 63 x 82 | 6 | - | 2x3x6 | Plastic | 85202 | 25,95 |



Roof cable ducts

For safe cable routing through roofs or walls. Small, compact, waterproof. For gluing on with Sikaflex incl. PG 13.5 cable gland for cable Ø 6-12 mm.

| | | |
|---|--------|-------|
| ① White, single (L 12.0 x D 6.5 x H 3.8 cm) | 85049 | 10,95 |
| ② Black, single (L 12.0 x D 6.5 x H 3.8 cm) | 850493 | 10,95 |
| ③ White, 2-fold (L 12.4 x D 9.3 x H 3.8cm) | 850491 | 12,95 |
| ④ Black, 2-fold (L 12.4 x D 9.3 x H 3.8 cm) | 850494 | 12,95 |

Special cable glands

- ① Roof bushing HDZ 100 To accommodate a max. of 3 cables up to Ø 7 mm. Roof duct Ø 38 mm. Dims.: 211 x 90 x 37 mm **491922 29,90**
- ② Cable entry box max. 3 solar modules can be connected watertight. Roof duct: Ø 28 mm, max. roof thickness 60 mm. **85072 27,95**

Magnetic 12/24V plug system

The power connection with detachable magnetic plug connection. Port and clip form a simple but secure system for routing an electrical connection, e.g. from the vehicle to the vehicle roof. Ideal for connecting solar systems. The current only flows when both contacts are brought together. Max. 25 A. Port: blade terminal 6.3 mm, clip: screwable. Dims.: Ø 28 mm, D 25 mm.

- ③ Power Port **81002 20,95**
- ④ Power Clip **810021 23,95**



PWM SOLAR CHARGE CONTROLLER



SR solar charge controller Duo Digital

- 2. Output for starter battery
- Charging programs for almost all battery types (Lithium charging characteristic only for SR 220 + SR 330)
- Operating display with LEDs
- Temperature sensor (optional) can be connected
- All controllers can be connected to Solar-Computer S, VPC, Bluetooth Connector
- Parallel operation possible



| Type | SR 150 | SR 220 | SR 230 | SR 300-24 | SR 330 | SR 350 | SR 550 |
|-----------------------------------|--------------|-------------------|-------------------|--------------|-------------------|-------------------|-------------------|
| Volt | 12 V | 12 V | 12 V | 24 V | 12 V | 12 V | 12 V |
| Solar module output min./max. | 30-150 Wp | 40-220 Wp | 40-230 Wp | 50-300 Wp | 50-330 Wp | 50-350 Wp | 50-550 Wp |
| Max. solar module voltage/current | 28 V / 9.5 A | 28 V / 14 A | 28 V / 14.5 A | 50 V / 10 A | 28 V / 21 A | 28 V / 22 A | 28 V / 35 A |
| Charging current max. (Batt.1/2) | 9 A / 0.8 A | 14 A / 0.8 A | 14.5 A / 0.8 A | 10 A / 0.8 A | 21 A / 1.5 A | 22 A / 1.5 A | 35.0 A / 1.5 A |
| Switching output AES refrigerator | - | - | - | - | yes | yes | yes |
| Lithium charging characteristic | - | yes | - | - | yes | - | - |
| Connection to EBL optional | yes | yes (with 851304) | yes (with 851304) | - | yes (with 851304) | yes (with 851304) | yes (with 851304) |
| Dimensions (W x D x H) | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm |
| Weight app. | 150 g | 155 g | 155 g | 150 g | 165 g | 165 g | 170 g |
| Art. No. | 851313 | 851381 | 851314 | 851315 | 851311 | 851316 | 851317 |
| Price | 91,90 | 89,- | 104,90 | 138,90 | 112,90 | 124,90 | 183,90 |

Suitable accessories for all Votronic solar charge controllers on this double page:

Temperature sensor for all solar controllers for charge optimization. Recommended for gel and AGM batteries.

80181 22,95

*EBL cable set (not shown) for connecting charge controller to Schaudt EBL electric block.

851304 20,70



① Solar charge controller PRS 300

- 300 Wp in shunt technology
- Parallel connection of several solar modules possible
- Desulphation function that is switched on automatically if the connected battery requires this (memory effect)

Suitable up to an output of 300 watts. The charge controller works together with the PT 642/G test panel and displays the state of charge in volts and amperes. Selectable charging characteristics for lead-acid, gel & AGM batteries. LED operating status display. Maintenance phase at constant voltage. Integrated reverse polarity protection. Protection against overcharging & deep discharge. Switches off automatically if charging current is insufficient. **Technical data:** Switches off at 14.3 volts and on again at 13.8 volts. Self-consumption: 1mA. Short-circuit and reverse polarity protection. Dims.: L115 x W88 x D37 mm. **85145 79,90**

② Solar test panel PT 742/G

Display device for exact display of the battery voltage (V) and the solar charging current (A) flowing from the solar cell to the battery. For connection to solar charge controller PRS 300. Incl. 1.5 m connection cable. Dims.: 60x60 mm, color: grey (RAL 7021). **85144 110,-**



Solar charge controller - can be combined with EBL electric block

- Shunt technology up to 240 watts
- Parallel connection of several solar modules possible
- Charging programs for lead-acid, AGM & gel batteries
- LT 320 Solar" display panel can be connected

① Schaudt solar charge controller LR 1218 240 Wp

for solar modules up to 240 W. Simultaneous charging of starter & on-board battery. Can be operated as normal charge controller or in combination with Schaudt electric block. Suitable for solar modules with a total current of 14 A (240 W) and lead-acid, AGM & lead-gel batteries. Charging end voltage living area battery 14.2 V, starter battery 13.8 V. Dims.: 110 x 75 x 56 mm, weight: 160 g

85059 134,-

Cable bridge for solar controller LR1218 for direct connection to Schaudt electric block (not shown)

851304 20,70

② LT 320 Solar control panel is connected directly to a Schaudt solar controller. Features: Display of solar charging current of living area or starter battery, LED display only active when queried, suitable for solar controller Schaudt LRS1214, LR1218, LRM1218, delivery incl. connection material.

80238 190,50

MPPT SOLAR CHARGE CONTROLLER



VOTRONIC



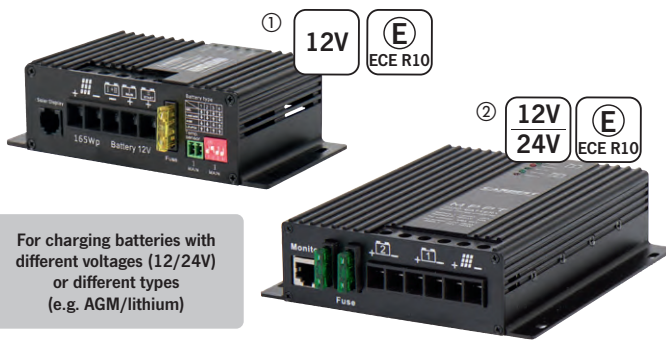
Integrated CI bus interface

MPP solar charge controller - Up to 30% more charging power

- Charging programs for all battery types (also lithium)
- 3 charging programs for lead-acid/GEL/AGM
- 5 charging programs with temp. protection for LiFePO4
- All controllers can be connected to Solar-Computer S, VPC, Bluetooth Connector
- Output for EBL solar power display (parallel operation possible)
- Optional temp. sensor can be connected (item no. 80181)

| Type | ① MPP 170 CI | ② MPP 260 CI | ③ MPP 360 CI | ④ MPP 440 CI |
|-----------------------------------|---------------|---------------|---------------|---------------|
| Volt | 12 V | 12 V | 12 V | 12 V |
| Solar module output min./max. | 40-170 Wp | 40-260 Wp | 50-360 Wp | 50-440 Wp |
| Max. solar module voltage/current | 60 V / 10 A | 60 V / 15 A | 60 V / 21 A | 60 V / 26 A |
| Charging current max. (Batt.1/2) | 13 A | 18,5 A | 26 A | 32 A |
| Lithium charging characteristic | Yes | Yes | Yes | Yes |
| Dimensions (W x D x H) | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm | 131x77x40 mm |
| Weight app. | 271 g | 276 g | 334 g | 334 g |
| Art. No. | 850214 | 850215 | 850216 | 850217 |
| Price | 140,50 | 204,- | 232,50 | 308,- |

CARBEST



For charging batteries with different voltages (12/24V) or different types (e.g. AGM/lithium)



Bluetooth-enabled MPPT solar charge controller with two battery outputs

- Bluetooth function only in conjunction with the 851007 Bluetooth module (free app for Android and iOS)
- Battery type adjustable: GEL, lead-acid, AGM, LiFePO4 batteries
- Max. Input voltage is 50V

- ① Solar charge controller, Dims.: LxWxH 150x80x40 mm
 - 12V, 12A max. 165W **851005 69,90**
 - 12V, 25A max. 350W **851006 99,90**
- ② Solarladeregler 12V/24V, 30A max. 390W/780W
Batteries with different voltages (12/24V) or different types (e.g. AGM/lithium) can be connected to each other. Dims.: LxWxH 155x147x43 mm **851010 169,90**
- ③ Bluetooth module with 3m cable (suitable for 851005, 851006, 851010) **851007 24,90**
- ④ Temperature sensor with 3m cable (suitable for 851005, 851006, 851010) **851004 10,30**
- ⑤ Separate oval solar monitor, (suitable for solar charge controller 851005, 851006 & booster 821822). Surface or recessed mounting possible. Consisting of solar monitor, surface mounting frame and 5m cable with plug connector. Dims.: WxHxD 105x94x36 cm. Expected to be available from Q1/25. **851011 79,95**

CARBEST



MPPT solar charge controller 12/24V - 20A with integrated Bluetooth function

- Bluetooth integrated, all controller settings via free app
- Suitable for all battery types (GEL, lead-acid, AGM, LiFePO4)
- Particularly quiet due to fanless design
- LED status display
- Temp. sensor (length: 80 mm) included in scope of delivery

Max. solar module output: 260/520W, max. solar module voltage: 50V, max. charging current: 20A, protection class: IP54, dims.: LxWxH 165x108x32mm, weight: 700g.

851321 89,90

Temp. sensor with 3m cable (not shown) **851322 4,90**

CBE

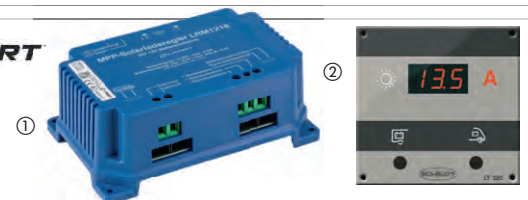


① MPPT charge controller PRM 400

The integrated MPPT system (Maximum Power Point Tracker) draws the maximum available power from the solar panel in every situation and automatically charges 12 V lead, gel, AGM and lithium batteries. Suitable for solar modules with a maximum output of 50 V / 400 W. Integrated LED status display. Voltage: 12V, max. output current: 28A. Bluetooth compatible, free app available (ONDA SMART SYSTEM) for Android and iOS. Dims.: WxDxH app. 150x110x48 mm. Weight: 0.3 kg. Expected to be available from Q3/25. **851452 305,-**

② Solartestpanel PT 742/G Display panel suitable for MPPT charge controller PRM 400 **85144 110,-**

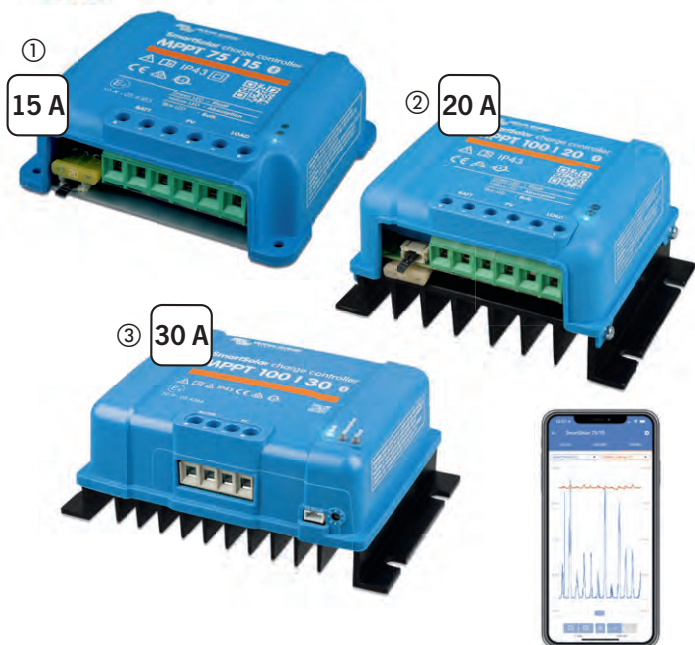
LIPPERT



① MPPT solar controller LRM 1218 270WP clocked converter that ensures that connected solar modules are always operated optimally, regardless of solar radiation, battery voltage & module temperature, while battery is in main charging phase. Incl. temp. sensor for battery monitoring. Dims.: 148 x 95 x 55 mm **800724 359,48**

② LT 320 Solar control panel is connected directly to Schaudt solar controller. Features: Display of solar charging current of living area or starter battery, LED display only active when queried, suitable for solar controller Lippert LRS1214, LR1218, LRM1218, delivery incl. connection material. **80238 190,50**

MPPT SOLAR CHARGE CONTROLLER



SmartSolar MPPT 75/15, 100/20 and 100/30

- Bluetooth function for wireless monitoring & Updating solar charge controller
- Recovery function for fully discharged batteries
- Free app

Using the latest and fastest technology, the SmartSolar maximizes energy harvesting and intelligently directs it to charge batteries in the shortest possible time. The SmartSolar maintains the functionality of the battery and thus extends its service life. The SmartSolar-Charge controller even recharges a heavily discharged battery & can operate with a battery voltage of just 0 volts (provided the battery cells are not permanently sulphated or otherwise damaged).

VictronConnect app for Android & iOS can be used to remotely control and monitor the extensive functions of the Victron SmartSolar charge controller with integrated Bluetooth. The app is available to download free of charge from the app stores.



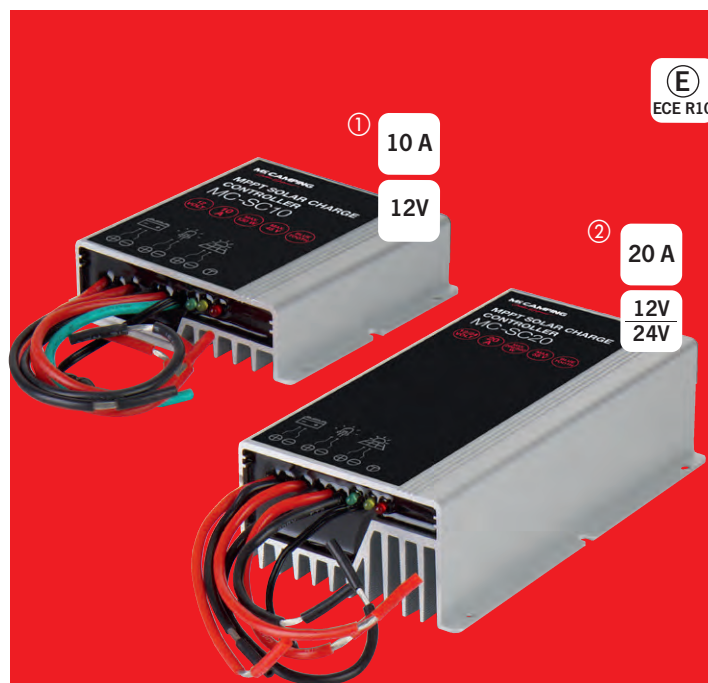
Free app download here.



| | ① MPPT 75/15 | ② MPPT 100/20 | ③ MPPT 100/30 |
|-------------------------------|---------------------------------|---------------|---------------|
| Battery voltage | 12 / 24 V (automatic selection) | | |
| Nominal charging current | 15 A | 20 A | 30 A |
| Nominal PV power, 12 V (*/**) | 220 W | 290 W | 440 W |
| Nominal PV power, 24 V (*/**) | 440 W | 580 W | 880 W |
| Max. Short-circuit current | 15 A | 20 A | 35 A |
| Automatic load cut-off | Yes | Yes | Yes |
| Max. PV open-circuit voltage | 75 V | 100 V | 100 V |
| Max. Efficiency | 98% | 98% | 98% |
| Dims. mm (HxWxD) | 100x113x40 | 100x131x60 | 130x186x70 |
| Weight | app. 0.5 kg | app. 0.65 kg | app. 1.3 kg |
| Art. No. | 850231 | 850232 | 850233 |
| Price | 85,70 | 114,- | 163,- |

* If more PV power is connected, the controller limits the input power.

** The PV voltage must reach at least the level of Vbat + 5 V for the controller to start operation. The minimum value of the PV voltage is then Vbat + 1 V.



MPPT solar charge controller with Bluetooth function

- Bluetooth function integrated in the housing
- All controller settings are made via the free app
- Suitable for all battery types: GEL/lead-acid/AGM/LiFePO4
- Robust and completely sealed aluminum housing (IP67)

Battery type adjustable (all MPPT solar charge controller settings are made via app). Four-stage charging: MPPT, boost, equalization charge, trickle charge. Fully automatic electrical protection functions. Robust and durable aluminum housing (protection class: IP67). Free app: SolarLife (iOS) / SolarLifeBT (Android).

- ① **MC-SC10 - 10A** 12 V, max. charging current: 10 A, max. solar module output: 130 W, max. solar module voltage: 45 V, dims. LxWxH app. 86x82x23 mm, weight: 260 g. **851309 59,90**
- ② **MC-SC20 - 20A** 12/24 V, max. charging current: 20 A, max. solar module output: 260/520 W, max. solar module voltage: 55 V, dims. LxWxH app. 146x88x43 mm, weight: 720 g. **851310 89,90**



EFOY Fuel cells - Always clean electricity everywhere

The EFOY fuel cell is the power generator for the road. Produces electricity through a chemical reaction and thus charges the on board battery. This is done fully automatically and quietly so that you can enjoy your free time. 230 V appliances can also be used via an inverter.

The EFOY 80 and 150 fuel cells can be connected to the EFOY Li 70 and Li 105 lithium batteries via the RJ12 connecting kit, thus providing a completely independent power supply system. All accessories required for installation are included in scope of delivery, incl. a Bluetooth adapter for controlling EFOY devices.



| Fuel cell | EFOY 80 | EFOY 150 | EFOY Pro 2800 BT |
|------------------------------------|-----------------|-----------------|------------------|
| Maximum power | 40 W | 75 W | 125 W |
| Max. charging capacity/day at 12 V | 80 Ah | 150 Ah | 250 Ah |
| Nominal voltage | 12 V / 24 V | 12 V / 24 V | 12 V / 24 V |
| Dimensions, LxWxH (mm) | 448 x 198 x 275 | 448 x 198 x 275 | 448 x 198 x 275 |
| Weight | 6,5 kg | 6,9 kg | 7,8 kg |
| Item no. | 72243 | 72244 | 72245 |
| Price | 2999,- | 4999,- | 8345,- |

Control via EFOY app or control panel

You can easily control your EFOY products via the EFOY app on your smartphone or tablet. Download now free of charge. The high quality and user friendly control panel is installed in the interior of your motorhome. Optionally available.



| Original EFOY accessories | Item no. | Price |
|---------------------------|----------|-------|
| Control panel OP3 set | 722436 | 449,- |
| Service fluid | 722393 | 9,95 |
| Mounting plate MP3 set | 722437 | 49,95 |

Efoy Connecting Kit RJ12

The Connecting Kit is used to connect the EFOY 80 or EFOY 150 fuel cell with the EFOY Li 70 or EFOY Li 105 LiFePO4 battery.
Scope of delivery: RJ12 data cable, RJ12 port doubler, SFC bus end piece.

| | | |
|--------------------------------|--------|-------|
| Connecting kit with 3 m cable | 722191 | 57,50 |
| Connecting kit with 10 m cable | 722192 | 64,- |



Fuel cartridges

Independent of power grid for weeks. EFOY fuel cartridges are a safety-tested tank system specially developed for EFOY fuel cells.

| Fuel cartridge | M5 | M10 |
|------------------|------------------|-------------------|
| Nominal capacity | 5.5 kWh / 460 Ah | 11.1 kWh / 925 Ah |
| Volume | 5 liters | 10 liters |
| Item no. | 72221 | 722210 |
| Price | 43,- | 63,- |
| GP* | 8,60 | 6,30 |



You can find the Europe-wide dealer network at www.efoy.com.

Methanol is classified as a toxic and highly flammable substance according to the CLP regulation. For further information, please refer to the safety data sheet. Distribution exclusively via specialist retailers - no shipping.



GP* = base price per specified unit



HONDA
POWER EQUIPMENT

**Honda Power generators -
The lightest power generators in their class**

- Very quiet due to fully encapsulated housing
- Generators meet the world's strictest emissions standard from California (CARB-California Air Resources Board)
- Intelligent engine management enables running times of up to 10 hours on one tank of fuel (EU 20i)
- Particularly easy to start thanks to state-of-the-art technology

① **Petrol generator EU 10i - 1.0 kW**

Ideal for battery charging 1000 VA generator output. Perfect frequency and voltage stability thanks to inverter technology. Running time depends on the connected device; very quiet due to full encapsulation. **Technical data:** Power 1 kVA, continuous power 0.9 kVA, voltage/frequency 230 V/50 Hz, voltage regulation inverter, 4-stroke engine, OHV, 1 cylinder, pull starter (easy start), DC output 12 V/ 8.3 A charging current, tank capacity app. 2.3 liters, running time with one filling 4.5 - 8 h, sound power 83-87 dB(A), noise level at 7 m distance 52- 57 dB(A), weight: 13 kg, L 450 x W 240 x H 380 mm, parallel operation: 4, eco circuit: 4, 1 x Schuko socket. Order charging cable separately: Item No. 912941 (non-binding manufacturer's information).

91297 1199,-



② **EU 22i gasoline generator - 2.0 kW**

Inverter technology with 2.2 kVA output, e.g. for common air conditioning systems in motorhomes. Parallel connection of two EU 22i possible. Cable pull starter. **Technical data:** Max. Power 2.2 kVA, continuous power 1.8 kVA, voltage/frequency 230 V/50 Hz, voltage regulation inverter, 4-stroke engine, OHV, 1 cylinder, GXR120, pull start, DC output 12 V: 8 A charging current, tank capacity app. 3.6 liters, running time with one filling: 3.5-9 h, sound power 71-89 dB(A), noise level at 7 m distance 58 dB(A), weight: 21 kg, L 512 x W 290 x H 425 mm, parallel operation: 2, eco circuit: 4, 2 x Schuko sockets. Order charging cable separately: Item No. 912941 (non-binding manufacturer's information).

913030 1889,-

③ **230 V relay** against feedback into the public grid with permanently connected generators

91288 137,-

④ **Charging cable for all devices** with charging device

(EX 7, EU 10i, EU 30iS) 912941 29,95

Parallel cable for parallel connection of several generators (not shown)

EU10i 91294 55,95

EU22i 912944 419,95



Applies to all Honda generators

Maximum power or continuous power? A continuous power must only be used for applications where power consumption is permanent (e.g. longer than 30 minutes). The maximum output can be used for all other applications. However, it is best to calculate with a 20 % reserve.

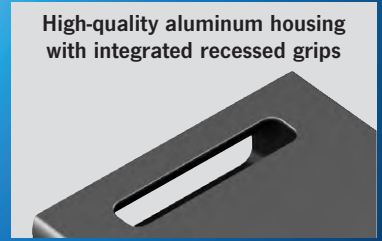
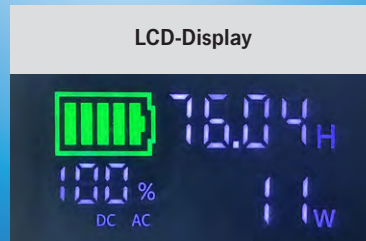
Installation instructions: When installing generators that are not specially designed for installation, a suitable storage box must be available that is sufficiently ventilated. The power generator must be secured inside the storage box. The flue gas hose available as an accessory can be used for flue gas routing.





NEW

HIGH LIGHT

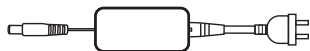


EnergyQube 800 + EnergyQube 1600

- LiFePO4 BATTERY
- SINE WAVE INVERTER
- MPPT-SOLAR-CONTROLLER
- BATTERY MANAGEMENT SYSTEM
- LCD-DISPLAY
- PORTABLE
- NOBLE ALUMINUM-HOUSING
- INCL. CONNECTION CABLE

- Rechargeable via different sources
- Wide range of connection options for various end users
- Compact design with integrated handles in housing - requires minimal storage space
- Robust aluminum housing with an elegant look

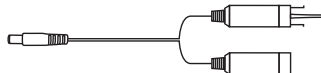
Scope of delivery:
EnergyQube 800 or EnergyQube 1600



230V charging cable:
DC7909 / 230V Schuko plug



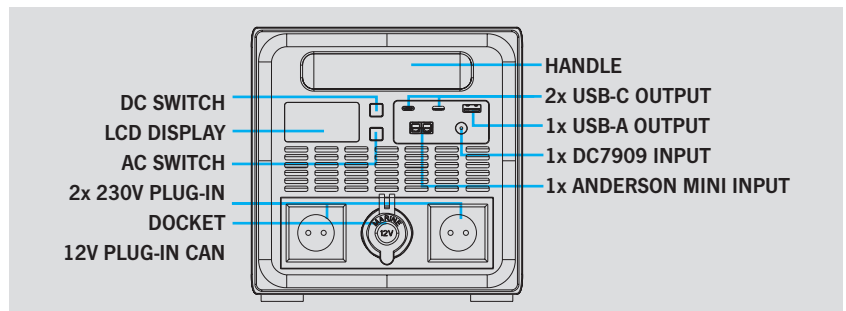
12V charging cable:
DC7909 / 12V cigarette lighter plug



Solar charg. cable:
DC7909 / MC4 connector

Expected to be available from Q2/25.

| | EnergyQube 800 | EnergyQube 1600 |
|--|--|------------------------------------|
| LiFePO4 battery with BMS | app. 768 Wh | app. 1536 Wh |
| Integrated sine wave inverter | 1000 W (max. 2000 W short-term) | 2000 W (max. 4000 W short-term) |
| Integrated MPPT solar charge controller | max. 200 W, max. 10 A, 18-29 V | max. 500 W, max. 20 A, 20-59 V |
| Connection options | 2x 230 V socket outlet 1x 12 V cigarette lighter connection (10 A) 1x USB-C (20V/3A, 60W) 1x USB-C (12V/1.5A, 18W) 1x USB-A (5V/2A, 9V/2A, 12V/1.5A, 18 W) | |
| Output | 1x Anderson Mini (12-30V/10A) 1x DC7909 (10 A) | |
| Input | 1x Anderson Mini (12-59V/20A) 1x DC7909 (10 A) | |
| Rechargeable via | 230 V mains via charger 12 V vehicle electr. system, Solar panel | |
| Dims. LxWxH app. | 355x193x195 mm | 505x193x195 mm |
| Weight app. | 11,4 kg | 22,1 kg |
| Item no. | 814138 | 814139 |
| Price | 699,- | 999,- |





LithPowerUnit 48

| | | | | |
|---------------------------|-------------|----------------|--------------------------|-----------------------|
| LiFePO4 BATTERY | 614 Wh | 48 Ah (12,8 V) | SINE WAVE INVERTER 500 W | MPPT-SOLAR-CONTROLLER |
| BATTERY MANAGEMENT SYSTEM | LCD-DISPLAY | PORTABLE | ROBUST HOUSING | |

- Rechargeable via different sources
- Wide range of connection options for various end users
- Small, handy, mobile use
- Perfect for outdoor activities of all kinds

- ① Charging input for solar modules
- ② 12 V cigarette lighter connection
- ③ 2x 12 V (5.5 mm)
- ④ LCD display
- ⑤ 2x USB (5V/3.1 A)
- ⑥ 1x USB QC (5-20V/max. 18 W)
- ⑦ 1x USB-C (5-20V/max. 60 W)
- ⑧ 2x 230 V socket



12V cigarette lighter connection



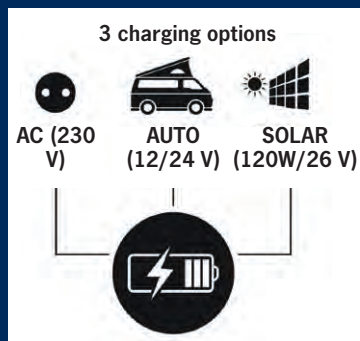
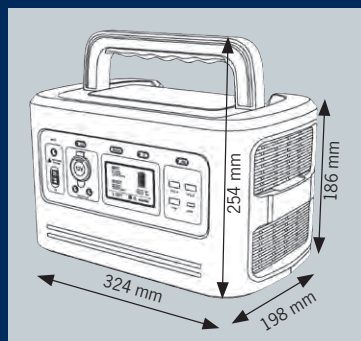
2x 230V sockets



USB-C port

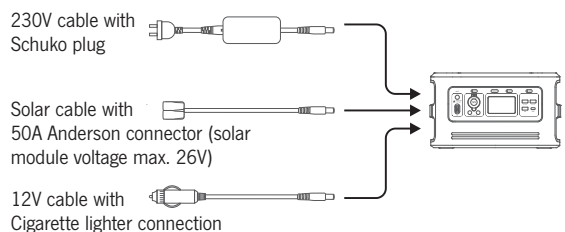


3x USB port



| | |
|-------------------------------|---|
| LiFePO4 battery with BMS | 48 Ah (12.8 V), 614 Wh |
| Integrated sine wave inverter | 500 W (max. 1000 W for short periods) |
| MPPT solar charge controller | max. 120 W / 26 V |
| Connection options | 2x 230 V socket outlet (on the back) 2x 12 V 5.5 mm (5 A, max. 60 W) 1x 12 V cigarette lighter connection (10 A, max. 120 W) 2x USB (5 V/3.1 A) 1x USB QC (5-20 A, max. 18 W) 1x USB-C (5-20 A, max. 60 W) |
| Rechargeable via | - 230 V mains supply via charger - 12 V vehicle electrical system - Solar module (solar module voltage max. 120 W / 26 V) |
| Dims. LxWxH app. | 324x198x186/254 mm |
| Weight app. | 8 kg |
| Item no. | 814135 |
| Price | 462,- |

Scope of delivery:





LithPowerUnit 80

- 80 Ah LiFePO4 BATTERY
- 1024 Wh
- SINE WAVE INVERTER 1000 W
- MPPT-SOLAR-CONTROLLER
- BATTERY MANAGEMENT SYSTEM
- LCD-DISPLAY
- PORTABLE
- ROBUST HOUSING OFF ABS

| | |
|--------------------------------------|---|
| LiFePO4 battery with BMS | 80 Ah (12.8 V), 1024 Wh |
| Integrated sine wave inverter | 1000 W (max. 2000 W short-term) |
| MPPT solar charge controller | max. 120 W / 50 V / 15 A |
| Connection options | ① 1x 230 V socket outlet ② 2x 12V cigarette lighter connection ③ 2x USB connection (5 V/3.1 A) ④ 4x Anderson connection (50 A) ⑤ 1x Anderson connection (175 A) |
| Rechargeable via | - 230 V mains supply via charger - Solar module (solar module voltage max. 120 W / 50 V / 15 A) |
| Dims. LxWxH / weight app. | 455x250x330 mm / 15 kg |
| Item no. Price | 814136 899,- |



Scope of delivery:

① LithPowerUnit 80, ② Mains charger (input: 200-240 V / output: 14.6 V, 20 A), ③ Jumper cable (2 m, cable Ø 16 mm²) with 1 x 175 A Anderson plug & battery crocodile clips, ④ Solar cable (1.5 m, cable Ø 6 mm²) with 2 x 50 A Anderson plugs, ⑤ Universal cable (1.5 m, cable Ø 6 mm²) with 1 x 50 A Anderson plug & 1x open cable end, ⑥ 50 A Anderson plug incl. 2x crimp contacts (for cable Ø 6 mm²), ⑦ Various cover caps for the Anderson connections, ⑧ Fastening material (incl. 2 x lashing eyes & 1 x tensioning strap).



LithPowerUnit 120

- 120 Ah LiFePO4 BATTERY
- 1536 Wh
- SINE WAVE INVERTER 2500 W
- MPPT-SOLAR-CONTROLLER
- CHARGING BOOSTER (30 A)
- BATTERY MANAGEMENT SYSTEM
- RCD CIRCUIT BREAKER
- LCD-DISPLAY
- PORTABLE
- INCL. MOUNTING BRACKET
- ROBUST METAL-HOUSING

| | |
|--------------------------------------|--|
| LiFePO4 battery with BMS | 120 Ah (12.8 V), 1536 Wh |
| Integrated sine wave inverter | 2500 W (max. 5000 W short-term) |
| MPPT solar charge controller | max. 400 W / 25 V / 30 A |
| Connection options | ① 2x 230 V socket outlet ② 2x 12 V cigarette lighter connection ③ 2x USB connection (5 V/3.1 A) ④ 4x Anderson connection (50 A) ⑤ 1x Anderson connection (175 A) |
| Rechargeable via | - 230 V mains supply via charger - Solar module (solar module voltage max. 400 W / 25 V / 30 A) - Integrated charging booster |
| Dims. LxWxH / weight app. | 420x250x330 mm / 25 kg |
| Item no. Price | 814137 1733,- |



Scope of delivery:

① LithPowerUnit 120, ② Mains charger (input: 200-240 V / output: 14.6 V, 20 A), ③ Jumper cable (2 m, cable Ø 16 mm²) with 1 x 175 A Anderson plug & battery crocodile clips, ④ Solar cable (1.5 m, cable Ø 6 mm²) with 1 x 50 A Anderson plug & 1 x open cable end, ⑤ Connection cable for the D+ signal (ING cable, app. 6 m), ⑥ 4 x 50 A Anderson plugs incl. crimp contacts (for cable Ø 6 mm²), ⑦ Various cover caps for the Anderson connections, ⑧ Fastening material (incl. 2 x mounting brackets, 2 x lashing eyes & 1 x tension strap).

LiFePO4-BATTERIES



MC CAMPING

Outdoor Equipment

LiFePO4 batteries MC-LB100 + MC-LB150

5*
YEARS
WARRANTY

12,8V BMS VERY LONG LASTING INSTALLATION HORIZONTAL POSSIBLE M8 THREAD

- Cycle life ≥ 2500 at 90% DOD or max. 5 years warranty*
- Mounting upright or lying on its side
- Serial connection (max. 4 batteries), parallel connection (max. 2 batteries)

| Type | Volt (V) | Ah* | Max. Discharge current | Dims. LxWxH mm | kg | Art. no. | Price |
|----------|----------|-----|------------------------|----------------|------|----------|-------|
| MC-LB100 | 12,8 | 100 | 100 A (200 A, <5s.) | 307x172x215 | 12,5 | 814560 | 359,- |
| MC-LB150 | 12,8 | 150 | 150 A (300 A, <5s.) | 327x172x218 | 17 | 81457 | 559,- |

*Power 90% available



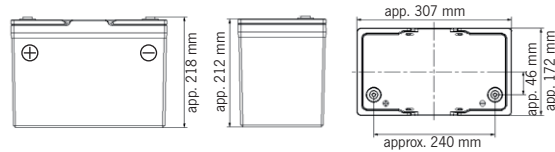
PRICE HIT!

7*
YEARS
WARRANTY

12V BMS VERY LONG LASTING INSTALLATION HORIZONTAL POSSIBLE M8 THREAD 2 CARRYING HANDLES

- Serial connection (max. 4 batteries), parallel connection (max. 2 batteries)
- Housing with 2 integrated carrying handles

| Battery | Volt (V) | Ah | Max. Discharge electricity | Max. Short term discharge current | Weight kg | Art. no. | Price |
|---------|----------|-----|----------------------------|-----------------------------------|-----------|----------|-------|
| Li100 | 12 | 100 | 100 A | 200A (< 5sec.) | 12,5 | 81451 | 599,- |



50 Ah
BLUE TOOTH
HEATING FUNCTION
M6 THREAD

Li50BT-H: Fits perfectly in compartment of rear right side wall of Volkswagen Multivan from YOC. 2022 onwards

100 Ah
HEAT-FUNCTION
BLUE TOOTH
M8 THREAD

BT STATE OF CHARGE ALERT

Press 1 second to activate battery, press 3 seconds to enter sleep mode.

Integrated LED display

Battery, state of charge and more at any time via Smartphone or tablet via the Carbest app.

Lithium batteries with Bluetooth technology

7*
YEARS
WARRANTY

12V BLUE TOOTH BMS VERY LONG LASTING INSTALLATION HORIZONTAL POSSIBLE FREE CARBEST APP

- Battery status readable via mobile/tablet
- Serial connection (max. 4 batteries), parallel connection (max. 2 batteries)
- Cycle life ≥ 3000 at 90% DOD or max. 7 years warranty*
- Only approx. 1/3 of the weight of a conventional lead-acid battery
- Lithium batteries marked BT-H with integrated heating function for effective charging even at sub-zero temperatures
- Integ. LED display with charge status indicator

How heating function works: internal BMS continuously monitors ambient temperature of battery & controls integrated heating function fully automatically. If a temperature ≤ 0°C is measured during the charging process, BMS immediately stops battery charging & simultaneously activates the heating function of the battery. After reaching +5°C, the charging process continues automatically. If the temperature rises above 10°C, the heating function is deactivated again.

| Battery | Volt (V) | Ah | Max. Short term discharge current | Dims. app. LxWxH mm (incl. poles) | Weight kg | Art. no. | Price |
|-----------|----------|-----|-----------------------------------|-----------------------------------|-------------|----------|-------|
| Li50BT-H | 12 | 50 | 100A (<5sec.) | 195x132x183 | approx. 7.5 | 814100 | 499,- |
| Li100BT-H | 12 | 100 | 150A (<4min.) | 330x170x210 | approx. 14 | 814131 | 999,- |



Free Carbest app!

Designed for the Carbest LiFePO4 batteries:
Li50BT-H / Li100BT-H / Li100BH6 / Li200BHD



* You can find our warranty conditions on pg. 1096.

12V **100 to 200 Ah** **BMS** **COMPACT DESIGN** **VERY LONG LASTING** **INSTALLATION HORIZONTAL ZONAL POSSIBLE**

- Reliable and powerful battery technology, for tough continuous use!
- Battery protection through integrated battery management

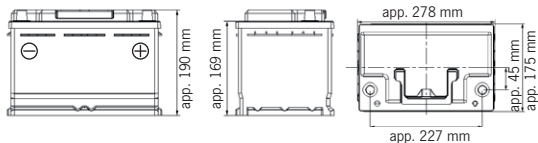
- Low self-discharge when not in use, as a sleep mode is automatically activated after 24 h without charging/discharging
- Ideal replacement for heavy AGM batteries
- 3 times less weight - thus more payload possible
- Cycle life ≥ 3000 at 90% DOD or max. 7 years warranty*
- Horizontal installation possible

Lithium battery specially designed for under-seat installation in the VW T6.1 / 6 / 5

100 Ah **STANDARD BATTERY-POLE** **BLUE TOOTH** **HEAT-FUNCTION** **DIN H6 HOUSING** **1 CARRIER HANDLE** **FREE CARBEST APP**

- DIN H6 housing, specially designed for mounting under driver's seat of Volkswagen Transporter 6.1 / 6 / 5
- Standard car battery terminals
- Series connection possible: up to 4 batteries
- Parallel connection possible: up to 2 batteries

| Battery | Volt (V) | Ah | Max. Discharge electricity | Max. Short term discharge current | Weight kg | Art. no. | Price |
|----------|----------|-----|----------------------------|-----------------------------------|-----------|----------|-------|
| Li100BH6 | 12 | 100 | 100 A | 350 A (< 3s.) | 12,5 | 81452 | 999,- |



Under-seat mounting
VW T6.1 / 6 / 5

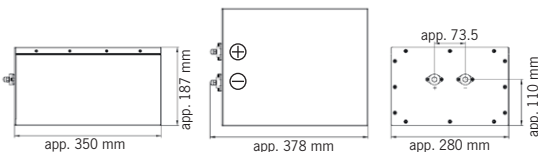


Lithium battery specially designed for under-seat installation in the Fiat Ducato

200 Ah **M8 CONNECTION** **BLUE TOOTH** **HEAT-FUNCTION** **METAL-HOUSING** **FREE CARBEST APP**

- Metal housing with special dimensions, suitable for under seat mounting Fiat Ducato
- M8 screw thread on the front of the battery
- Series connection possible with up to 4 batteries
- Parallel connection possible with up to 4 batteries

| Battery | Volt (V) | Ah | Max. Discharge electricity | Max. Short term discharge current | Weight kg | Art. no. | Price |
|----------|----------|-----|----------------------------|-----------------------------------|-----------|----------|--------|
| Li200BHD | 12 | 200 | 150A | 350 A (< 3s.) | 25 | 81453 | 1890,- |



Under-seat assembly
Fiat Ducato



Free Carbest app!
Designed for Carbest LiFePO4 batteries:
Li50BT-H / Li100BT-H / Li100BH6 / Li200BHD



* You can find our warranty conditions on pg. 1096.

LiFePO4-BATTERIES

Nomia - Premium LiFePO4 batteries with 210 Ah/340 Ah capacity

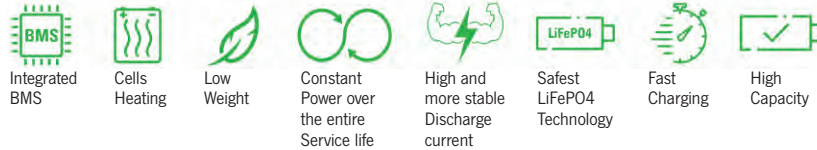


Nomia lithium iron phosphate batteries (LiFePO4) with a nominal capacity of 210Ah/340Ah consist of a unique combination of state-of-the-art technology & intelligent software. This makes them a robust, safe & simple energy storage solution.

| Type | Volt (V) | Ah | Length mm | Width mm | Height mm | kg | Item no. | Price |
|--|----------|-----|-----------|----------|-----------|------|----------|---------|
| ① 210 Ah | 12 | 210 | 417 | 227 | 314 | 23,0 | 81414 | 3040,-- |
| ② 340 Ah | 12 | 340 | 417 | 227 | 314 | 33,0 | 81448 | 3865,-- |
| ③ Protective relay (absolutely necessary to ensure a safety shutdown) | | | | | | | 813291 | 170,-- |
| ④ Battery monitor BM01 (shows voltage in V/capacity in %) including 5m connection cable | | | | | | | 813297 | 199,95 |
| ⑤ Touch display (displays voltage, current, charging status & remaining charging/discharging time) including 5m connection cable | | | | | | | 813293 | 276,50 |
| ⑥ Battery holder set for Nomia battery | | | | | | | 813294 | 69,50 |



Epsilon - LiFePO4 batteries with heating function



Highest capacity in standard housing available on the market. The fully automatic heating function kicks in as soon as ambient-temperature drops below 0°C. The battery is then heated in a targeted manner, thereby performance losses are avoided & charging process can be completed without any problems. The internal BMS uses Bluetooth to transmit the charge status, voltage and power on Android/Apple mobile or tablet.

| Type | Volt (V) | Ah | Width mm | Height mm | Depth mm | kg | Art. no. | Price |
|--|----------|-----|----------|-----------|----------|----|----------|---------|
| ① 100 Ah | 12 | 100 | 278 | 190 | 175 | 11 | 813991 | 1475,-- |
| ② 150 Ah | 12 | 150 | 353 | 190 | 175 | 16 | 813992 | 1980,-- |
| ③ Battery monitor BM01 (shows voltage in V/capacity in %) incl. 5m connection cable | | | | | | | 813280 | 199,95 |
| ④ Touch display (displays voltage, current, charging status & remaining charging/discharging time) incl. 5m connection cable | | | | | | | 813299 | 330,-- |
| ⑤ Battery holder for Epsilon battery | | | | | | | 813296 | 59,90 |



LiFePO4 batteries Li 70 & Li 105 with heating function

Integrated Smart Battery Management System (BMS) continuously monitors & optimizes battery parameters for ideal efficiency & battery protection. Thanks to the built-in heating element, the batteries can also be charged at sub-zero temperatures. The batteries can be connected to the EFOY fuel cells (page 983) and thus offer a completely independent power supply system.

| Type | Volt (V) | Ah | Length mm | Width mm | Height mm | kg | Art. no. | Price |
|------------|----------|-----|-----------|----------|-----------|-----------|----------|---------|
| Li 70-12V | 12,8 | 70 | 269 | 175 | 190 | app. 11.8 | 81415 | 1099,-- |
| Li 105-12V | 12,8 | 105 | 368 | 175 | 190 | app. 16.3 | 81416 | 1449,-- |



LiFePO4 batteries with 80 and 100 Ah

- Only app. 1/3 of weight of a conventional lead-acid battery
- Very low self-discharge in winter
- In most cases, the existing charger can continue to be used
- High charging currents therefore fast charging possible
- App. 3.000 to 5.000 cycles!

| Type | Volt (V) | Ah | Length mm | Width mm | Height mm | kg | Pole | Item no. | Price |
|-----------|----------|-----|-----------|----------|-----------|------|------|----------|---------|
| RB-80-DIN | 12 | 80 | 335 | 175 | 190 | 11,6 | M12 | 81403 | 1057,-- |
| RB-100 | 12 | 100 | 329 | 172 | 226 | 14,5 | M12 | 81405 | 1163,-- |



Premium LiFePO4 batteries with Bluetooth & integrated LTE module for remote access

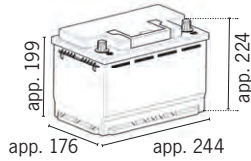
- All models fit under seat of Ducato, Jumper and Co. and may be mounted on side / horizontally
- **DualBMS:** Remote access to the battery via Bluetooth and LTE - europe-wide, thanks to integrated free SIM card (For 10 years. Thereafter renewable for €12 for a further 10 years)
- **Integrated location function** for localizing the vehicle (e.g. in event of vehicle theft) - with digital theft card
- **Integrated heating function** for charging even at sub-zero temp.
- **Integrated main switch:**
The positive pole can be switched on or off - even from a distance
- **Life expectancy:** 15+ years. All models are repairable
- **Battery terminals incl. in scope of delivery** (for SAFTKISTE 200 & 300)



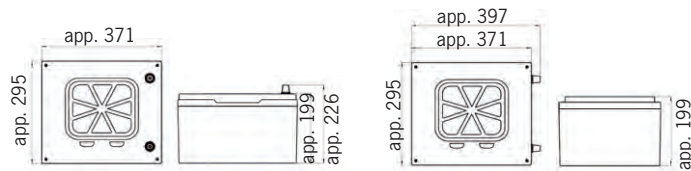
Special features SAFTKISTE Pro:

- Up to 680 Ah under the seat of Ducato, Jumper and Co. (with inst. of 2x SAFTKISTE 340 Pro)
- **CI bus master mode:** Connect for remote monitoring and control. Simply connect existing heating, air cond. system, etc. via CI bus
- **Precise location determination** due to integr. GNSS sat. positioning

SAFTKISTE 100 (1)



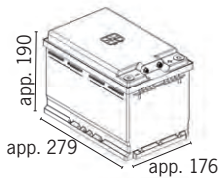
SAFTKISTE 200 (2+3)



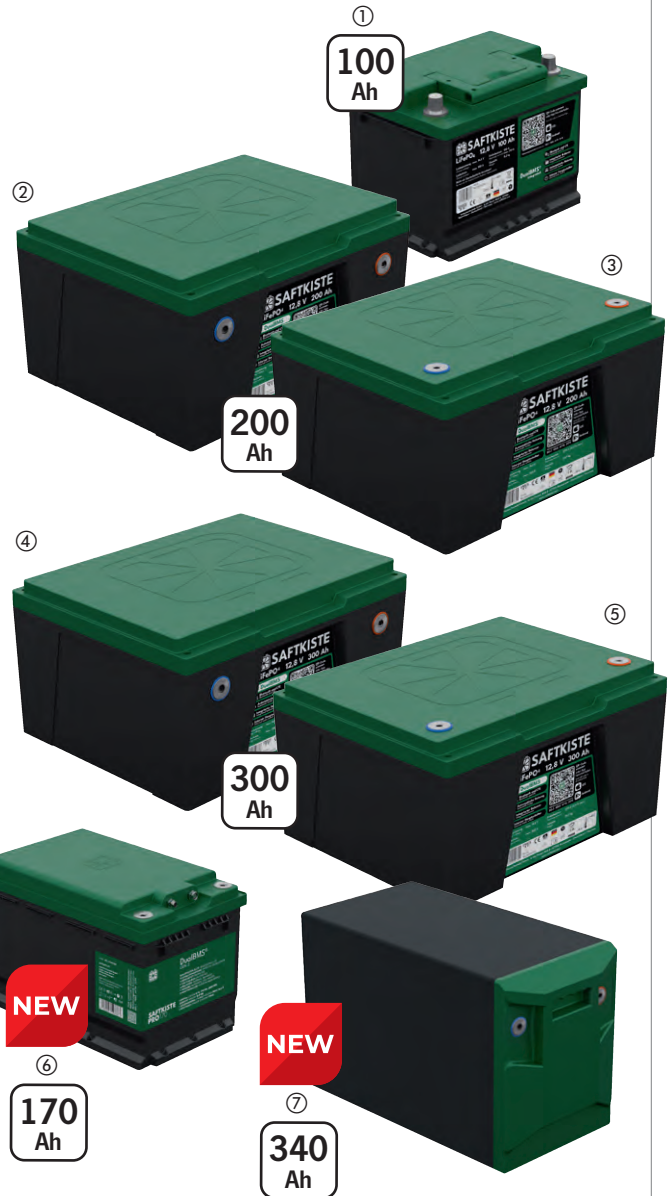
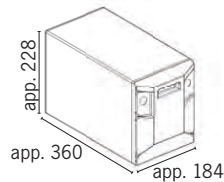
SAFTKISTE 300 (4+5)



SAFTKISTE 170 Pro (6)



SAFTKISTE 340 Pro (7)



Now the free app download and directly try out

| Type | Volt | Ah | Batt. terminals | LxWxH mm | kg | Art. no. | Price |
|----------------------|------|-----|-----------------|-------------|-----------|----------|--------|
| 1 SAFTKISTE 100 | 12 | 105 | top (M8) | 279x176x190 | app. 10.9 | 814000 | 1299,- |
| 2 SAFTKISTE 200 | 12 | 200 | front (M8) | 371x295x199 | app. 20.9 | 814001 | 2290,- |
| 3 SAFTKISTE 200 | 12 | 200 | top (M8) | 371x295x199 | app. 20.9 | 8140011 | 2290,- |
| 4 SAFTKISTE 300 | 12 | 300 | front (M8) | 346x321x199 | app. 26.5 | 814002 | 3085,- |
| 5 SAFTKISTE 300 | 12 | 300 | top (M8) | 346x321x199 | app. 26.5 | 8140021 | 3085,- |
| 6 SAFTKISTE 170 Pro* | 12 | 170 | top (M8) | 279x176x190 | app. 13.9 | 814003 | 2400,- |
| 7 SAFTKISTE 340 Pro* | 12 | 340 | front (M8) | 360x184x228 | app. 30.0 | 814004 | 3600,- |

*Expected to be available from Q2/25. Current prices at www.reimo.com.

Optional Accessories



Universal mounting bracket
Dims.: WxDxH 33x332x2 mm, material steel.
Weight app. 300 g. **814014 39,-**



Mounting bracket for Fiat Ducato lower seat
Dims.: WxDxH 370x430x25 mm, material steel.
Weight app. 1.9g. **814012 89,-**



Mounting bracket for Ford Transit lower seat
Dims.: WxDxH 380x448x2 mm, mat. steel.
Weight app. 2.4g. **814013 106,-**



HIGH QUALITY AUTOMOTIVE ENGINEERING FOR MOTORHOMES, VANS & CARAVANS



REISE MOBIL
INTERNATIONAL
KAUFTIPP
6/2022



AUTO
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Ausgabe 18 / 2021



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The smart LiFePO4 car battery with integrated vehicle theft protection. Replaces conventional car starter batteries 1:1.

12,8V

BMS

WIRELESS
INTERFACE

DIN
HOUSING

DIN SAE
BATTERY-
POLE (M8)

CARRYING
HANDLE

FREE
APP

E1
ECE R10

- **Innovative power electronics and wireless interface for control via smartphone app:** LITE BLOX batteries have innovative vehicle theft protection which can be easily activated/deactivated via the app:
 - **I.K.O.S.** - complete disconnection of all consumers, so that due to the low self-discharge even during longer downtimes, no charger is required must be connected (remote shutdown)
 - **A.V.A.T.** - Active Vehicle Anti Theft: Effective vehicle theft protection at the touch of a button. All consumers are still supplied with energy when stationary, but as soon as unauthorized is started, the LITE BLOX permanently disconnects the power supply.
- Saves up to 20 kg in weight compared to standard lead-acid starter batteries (75-140Ah)
- Plug'n'Play replacement - suitable for almost any vehicle
- With active protection against overload (over/under voltage, over/under current, over/under temp. & short circuit)
- Short charging & discharging times (ideal for start-stop)
- Developed and manufactured in Germany
- With 5-year manufacturer's warranty



Download the free LITE BLOX app for iOS and Android now

| Type | V | Ah | Wh | Housing | Replaces previous starter batteries (Ah) | L x W x H (mm) | kg app. | Art. No. | Price |
|----------|------|----|-----|---------|--|----------------|---------|----------|--------|
| ① ST40XX | 12,8 | 30 | 384 | DIN H6 | 45-75 | 278x175x190 | 5 | 81460 | 1395,- |
| ② ST60XX | 12,8 | 45 | 576 | DIN H7 | 75-105 | 315x175x190 | 7 | 81461 | 1595,- |
| ③ ST80XX | 12,8 | 60 | 768 | DIN H8 | 105-140 | 353x175x190 | 9 | 81462 | 1895,- |

LiFePO4 battery PowerUnit

LiFePO4 power in combination with the existing on-board battery (AGM or GEL)

PowerUnit enables simple & safe combination of a Büttner Elektronik LiFePO4 battery with existing on-board battery (AGM/gel/liquid acid). The system is monitored and controlled by a special battery computer. This is connected to the BMS (Battery Management System) of lithium battery & also prevents further charging by existing charging systems if the lithium battery is fully charged, but the charging devices still need to charge the installed on-board battery further due to its AGM or gel characteristic. In addition, the battery computer displays total available capacity of entire battery system in the passenger compartment.

Scope of delivery:

Instll. kit with LiFePO4 battery, battery control computer & cable set.

| Type | Ah | kg | Item no. | Price |
|------------------------------|-----|------|----------|--------|
| LiFePO4 battery PowerUnit IV | 180 | 25,2 | 85262 | 2169,- |



On-board battery with LiFePO4 technology

- High cycle stability
- Integrated battery management system (BMS)
- MT-Li 85 suitable for standard brackets



| Type | Volt (V) | Ah* | L x W x H mm | | | kg | Art. No. | Price |
|-----------|----------|-----|--------------|-----|-----|----|----------|--------|
| MT LI 85 | 12 | 85 | 278 | 175 | 190 | 11 | 81434 | 890,- |
| MT LI 180 | 12 | 180 | 485 | 172 | 250 | 23 | 81409 | 1850,- |
| MT LI 240 | 12 | 240 | 520 | 240 | 220 | 29 | 81435 | 2390,- |
| MT LI 300 | 12 | 300 | 520 | 270 | 220 | 36 | 81436 | 2950,- |

*Capacity at 20 °C





Long Life Deep-Cycle AGM batteries

12V

LONG LIFE
DEEP-
CYCLE

MAIN-
TENANCE-
FREE

COMPACT
DESIGN



- Maintenance-free service battery for campervans and motorhomes
- High vibration resistance and leak proof
- Position-independent installation possible
- High cycle stability, also ideal for use in combination with a solar system
- Low self discharge

Carbest AGM batteries have been specially developed for use in motorhomes. Due to AGM technology (Absorbent Glass Mat), batteries are completely maintenance-free & can be installed in any position, upright or lying on their side (do not install upside down, with the battery terminals facing downwards). The T100 battery can be installed under front seat in Volkswagen Transporter 6/5 & Fiat Ducato.

The high vibration resistance, very good cycle stability and low self-discharge make the batteries the perfect energy storage for campervans and motorhomes. Due to compact dims., they fit into standard battery fixtures or storage compartments. AGM batteries are frost-proof up to a temperature of -40°C.

| Battery | Volt (V) | Ah | Dimensions LxWxH (mm) | Battery terminal Thread | Weight (kg) | Item no. | Price |
|------------|----------|-----|-----------------------|-------------------------|-------------|----------|-------|
| ① AGM 60 | 12 | 60 | 259x166x213* | M6 | 23,5 | 850534 | 224,- |
| ② AGM 80 | 12 | 80 | 350x167x179* | M6 | 22,5 | 850529 | 234,- |
| ③ AGM 90 | 12 | 90 | 306x168x215* | M6 | 29,0 | 850535 | 295,- |
| ④ AGM 100 | 12 | 100 | 330x171x222* | M8 | 29,0 | 850531 | 239,- |
| ⑤ AGM T100 | 12 | 100 | 353x175x190 | --- | 27,0 | 850530 | 259,- |
| ⑥ AGM 120 | 12 | 120 | 329x173x219* | M8 | 33,5 | 850536 | 339,- |
| ⑦ AGM 134 | 12 | 134 | 339x175x285* | M8 | 40,0 | 850537 | 389,- |

* plus height of battery terminal screws

Included in delivery:

(except for AGM battery 850530)

Battery pole adapter set

For conversion from M6 or M8 female pole threads to a standard SAE conical pole (+/-). Scope of delivery: Set of terminals (+/- pole) including screws.



Notes on battery disposal:

You are required by law to return old batteries and accumulators. You can do this free of charge in a retail store or at another collection point near you. Addresses of suitable collection points can be obtained from your city or local government. Symbol of crossed-out trash can on batteries or accumulators indicates that they must not be disposed of with household waste. Respective chemical symbol (Hg, Cd or Pb) below the symbol of the crossed-out dustbin indicates that batteries or accumulators contain mercury, cadmium or lead. Further information can also be found on the Internet at <https://www.batteriegesetz.de/>

i Which battery for which application? Normal starter batteries are not designed for cyclic loads and are not to be used as an on-board battery. Cycle-resistant batteries are suitable for the loads that occur during discharge/charge operation. A distinction is made between batteries with bound electrolyte in gel or AGM design, classic liquid/acid batteries and lithium as LiFePO4.

Gel, AGM and LiFePO4 batteries are leak-proof and absolutely maintenance-free over the complete service life. All battery types achieve high cycle stability under the required charging conditions.

Gel batteries can also be discharged very deeply for a short time, always provided that they are immediately recharged.

AGM batteries have a slightly higher performance for same box size & can also cope with very high charge/discharge currents in short term.

Batteries in LiFePO4 version (see previous pages) are lightest energy storage devices with highest energy density. The price is far higher, but this is somewhat offset by the longer service life that can be expected with the existing infrastructure.

The service life of a battery is measured in charge cycles. 1 charge cycle means: 1 x discharge, 1 x charge. In this case, the smaller the amount of energy extracted (in % terms), the longer the service life. At a maximum discharge of 30% app. 1200 charging cycles. If it is always discharged by 50%, the life is reduced to about 500 cycles. With classic starter batteries (lead / acid), this difference is much greater. (After installation or before winter storage min. 24 h charging.)



VARTA Professional AGM batteries

- Innovative AGM technology, 100% maintenance-free
- 3-4 times higher cycle stability for starting and supplying
- Tilt and leak-proof, very good starting power

VARTA Professional AGM batteries

| Ah/20 h | Type | Dims. (LxWxH) in mm | Weight | Art. no. | Price |
|---------|------|---------------------|---------|----------|-------|
| 70 | LA70 | 278 x 175 x 190 | 20 kg | 813421 | 242,- |
| 80 | LA80 | 315 x 175 x 190 | 22,6 kg | 813422 | 289,- |
| 95 | LA95 | 353 x 175 x 190 | 26,2 kg | 813423 | 312,- |



12V



Optima Yellowtop deep-cycle high-performance battery

- Deep cycle and starting power in one battery
- Vibration-resistant & maintenance-free
- Withstands extreme temperatures
- Ideal for shunting systems
- High power density
- Short-term load capacity up to 100%
- Extremely durable, long shelf life
- Ideal for seasonal use
- Leak-proof, installable in nearly any position
- Compact design

Ideal for movers. Small power stations for motorhomes & caravans. OPTIMA®AGM spiral cell technology sets standards in terms of durability, weight and power density. Specially designed for seasonal use, it is the energy store for your vacation. Leak-proof and absolutely gas-free. Ideal for motor home use in caravans.

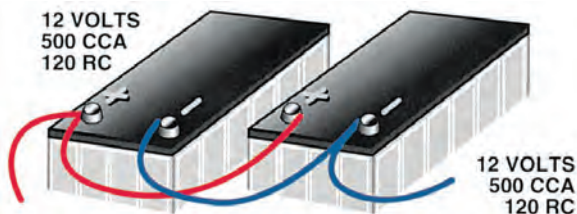
| Type | Capacity. | Dims. mm (LxWxH) | Art. no. | Price |
|----------|-----------|------------------|----------|-------|
| YT S 2.7 | 38 Ah | 237 x 129 x 227 | 85550 | 245,- |
| YT S 4.2 | 55 Ah | 254 x 175 x 200 | 85551 | 319,- |
| YT S 5.5 | 75 Ah | 325 x 165 x 238 | 85552 | 396,- |



12V



12 V parallel connection



Parallel connection of two 12 V batteries (results in double power, 12 V remains same). However, you should only connect batteries of the same type and capacity in parallel!

24 V series connection



Series connection of two 12 V batteries (results in 24 V, power remains the same). For trucks, it makes sense to connect 2x 12V batteries of same capacity in series for living area (24 V).

NDS | **DOMETIC**

12V



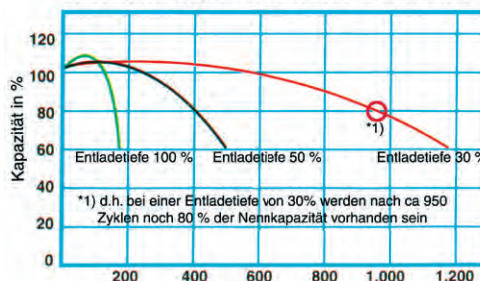
Green Power AGM -

The tried and tested body batteries for motorhomes

- Powerful solar and residential batteries
- Vibration resistant
- Low self discharge
- Can be installed in any position and is completely maintenance-free
- High cycle stability, also ideal for solar connection
- GP 100B can be installed under the front seat of Volkswagen Trtansporter 6/5 and Fiat Ducato

Green Power AGM batteries specially developed for use in leisure vehicles. The service life of a battery is measured in charging cycles. 1 charging cycle means: 1x discharge, 1x charge. In this case, the smaller the amount of energy extracted (in % terms), the longer the service life. A Green Power battery has app. 1200 charging cycles with a maximum discharge of 30%. If it is always discharged by 50%, the service life is reduced to around 500 cycles. After installation or before winter storage at least 24 h charging.

Lebensdauer in Zyklen bei verschiedenen Entladetiefen



| Type | Volt (V) | Ah** (20 h) | Ah*** (10 h) | Length mm | Width mm | Height* mm | Weight kg | Thread | Art. no. | Price |
|---------|----------|-------------|--------------|-----------|----------|------------|-----------|--------|----------|-------|
| GP 60 | 12 | 60 | 58 | 260 | 168 | 214 | 19,0 | M6 | 850519 | 256,- |
| GP 80S | 12 | 80 | 74 | 260 | 168 | 214 | 23,4 | M6 | 850511 | 282,- |
| GP 100 | 12 | 100 | 96 | 330 | 171 | 220 | 30,0 | M8 | 850512 | 305,- |
| GP 100B | 12 | 100 | 93 | 350 | 166 | 185 | 27,0 | M8 | 850518* | 346,- |
| GP 120 | 12 | 120 | 115 | 330 | 171 | 220 | 31,5 | M8 | 850513 | 345,- |

*Height with screws, without battery terminals (+ app. 20-25 mm height with terminal), **C20 (value for 20-hour discharge), ***C10 (value for 10-hour discharge)

EXIDE

12V



Exide Gel batteries 80 Ah and 110 Ah

- Suitable for long rest periods with 0 A power consumption
- High vibration resistance and tiltability
- Backfire protection and leak-proof, internal gas recirculation
- Up to 30% space saving, also installable at side
- Maintenance-free

Exide ES900 / ES1200 are successors to tried & tested G80 & G110 gel batteries from professional EXIDE. High reliability, vibration-resistant, high lateral tilt. All this with up to 30% space savings thanks to the compact housing.

| Ah | Type | Dims. (LxWxH) in mm | Weight | Art. no. | Price |
|-------|--------|---------------------|---------|----------|-------|
| ① 80 | ES900 | 353 x 175 x 190 | 27,0 kg | 85041 | 299,- |
| ② 110 | ES1200 | 284 x 267 x 226 | 39,0 kg | 85045 | 429,- |

VARTA

12V




Professional Dual Purpose EFB starter and supply battery in one

- Battery technology: EFB (wet battery)
- Ideal for dual-power applications (motor start and supply)
- Maintenance-free
- Minimal self-discharge, high cycle stability
- Highest starting power

The Professional Dual Purpose EFB batteries are based on EFB technology, which enables a higher cycle stability as well as a higher stability in partial charge mode.


| Ah | Type | Dims. (LxWxH) in mm | Weight | Art. no. | Price |
|------|-------|---------------------|---------|----------|-------|
| ① 70 | LED70 | 278 x 175 x 190 | 19,5 kg | 813402 | 202,- |
| ② 95 | LED95 | 353 x 175 x 190 | 24,5 kg | 813403 | 265,- |



① Battery box For holding 2x 6 V block batteries. 1m connection cable, incorrect insertion of battery impossible. Dimensions: 155 x 70 x 110 mm. Supplied without batteries.

② Block battery 6 V Suitable for battery box 81340. A 12 V voltage is achieved with 2 batteries in series.


| | | |
|--|--------------|--------------|
| | 81340 | 11,99 |
| | 81339 | 6,25 |



VARTA Alkaline batteries - the powerful ones

Varta Alkaline High Energy batteries - powerful energy for devices with high energy consumption (e.g. computer applications, toys, audio devices, etc.)

| | | |
|--|--------------|-------------|
| ① Micro 4 pieces (type AAA, LR03) | 81333 | 3,95 |
| ② Mignon 4 pieces (type AA, LR6) | 81332 | 3,95 |
| ③ Baby 2 pieces (type C, LR14) | 81331 | 2,95 |
| ④ Mono 2 pieces (type D, LR20) | 81330 | 4,95 |
| ⑤ 9 Volt block battery 1 piece | 81334 | 3,50 |
| ⑥ Lithium button cell 3 Volt (CR1632), 1 piece | 47414 | 6,90 |



Battery poles

Plus & minus lead battery terminal in a set.

| | | |
|-------------------|--------------|--------------|
| M6 thread | 81273 | 11,60 |
| M8 Gewinde | 81270 | 11,70 |



Battery pole adapter set

For converting batteries with M6 or M8 intern. terminal thread to standard SAE cone terminal (+/-).


| | | |
|-------------------|---------------|-------------|
| M6 thread | 812761 | 4,50 |
| M8 Gewinde | 812762 | 4,50 |



Battery quick clamps

- Tool-free connection & disconnection
- No dirty fingers
- Loadable up to 125 A
- Protected poles


| | |
|--------------|--------------|
| 81310 | 15,10 |
|--------------|--------------|



Minus pole terminal


Pole terminal with switch. The integrated switch quickly & reliably disconnects loads from battery (up to max. 100 A switching current)

| | |
|--------------|-------------|
| 81387 | 7,10 |
|--------------|-------------|



Battery terminals

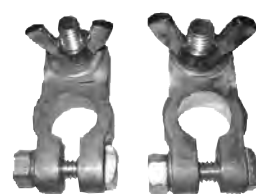
| | | |
|---------------|--------------|-------------|
| Positive pole | 81312 | 6,10 |
| Negative pole | 81313 | 6,10 |



Pole terminals M10

Battery terminal with M10 bolt for connecting strong cables


| | | |
|---------------|----------------|--------------|
| Positive pole | 81280 | 10,90 |
| | 81280L | |
| Negative pole | 812801 | 10,90 |
| | 812801L | |



Pole terminals set of 2

Battery clamp with M8 thread. Material: Cast iron 2 pieces (+/-)

| | |
|--------------|-------------|
| 81385 | 7,30 |
|--------------|-------------|



Multiple pole terminals

Battery terminal MB3N Multiple terminal. 2x M6, 1x M8 thread with stop nut.

| | | |
|---------------|--------------|--------------|
| Positive pole | 73215 | 31,40 |
| Negative pole | 73216 | 31,40 |



Battery terminal covers

To protect the terminals when not in use, e.g. during storage over the winter months. Material plastic.

① Pole cover set, 2 pieces
For standard battery poles (- black / + red).

② Pole cover, 1 piece
For M8 screw heads, e.g. for lithium batteries. Black

| | | |
|--|--------------|-------------|
| | 81272 | 2,10 |
| | 81271 | 0,40 |



Battery terminal cover set

① Terminal cover for car batteries, 2 pieces
Material plastic. (- black / + red).

② Terminal cover, 2 pieces
For lithium batteries w/ M8 threaded screws. Material plastic. (- black / + red).

| | | |
|--|---------------|-------------|
| | 81276 | 0,80 |
| | 812760 | 0,80 |



For batteries up to size
LxWxH
320x180x220 mm



EnergyStation battery box

Turns a standard battery into
a multifunctional power station

- Digital voltmeter for battery monitoring
- 2x USB (2.4 A), 2x 12 V socket
- 2x 50 A high current battery connector
- For batteries up to size LxWxH 320x180x220 mm

① The EnergyStation is made of robust plastic and offers a wide range of connection options. Integrated in the cover are: External terminals (+/-), 1x USB double socket (2x 2.4A), 2x 12V sockets, 1x battery voltmeter, 2x high current battery connectors for connecting solar panels & other accessories. Fuses are pre-installed. Scope of delivery incl. tensioning strap for fixing cover & tensioning strap eyelets, supplied without battery.

813740 79,90

② Universal adapter cable, length 3 m

For connection to EnergyStation for charging the battery or for connecting various consumers. Cable length 3m, cable cross-section red/black 10mm², 1x open cable ends, 1x 50 A high-current battery connector.

850922 29,95



Battery box with integrated battery terminals

2 x 12 V socket & test function,
2 x M10 wing screw, external dims.:
L 42 x W 23 x H 31 cm, internal
dims.: L 34, x W 19.4 x H 22 cm.

81374 52,95



Variable battery box

Variably adjustable for almost all
batteries. Incl. Fastening straps.
External dims.:

L43 x W24 x H26 cm, internal
dims.: L40 x W17 x H25 cm

81030 32,90



Robust battery box

Robust plastic, petrol and acid resistant.
Incl. Tensioning strap. External
dims.: L34 x W23 x H27 cm Internal
dims.: L27 x W19 x H20cm

810322 23,50



Jumbo battery box

For almost all batteries. Incl. Tensioning strap.
External dims.: L 46 x W 24 x H 28 cm,
internal dims.: L40 x W20 x H20 cm.

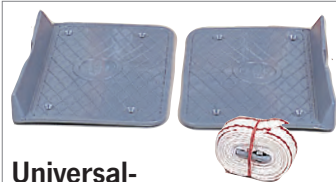
810323 25,30



Battery holder

Made of galvanized steel for mounting battery under driver's seat, e.g. in a VW bus. Simply screw the panel to the floor. For battery depths up to 189 mm.
Dims.: 195 x 371 mm.

81031 27,80



Universal-Battery holder

Ideal for horizontal battery mounting!
With complete mounting material (strap & brackets). Dims. per panel:
120 x 160 mm

81029 16,-



Battery holder

Plastic, black, inside dims.:
280 x 178 mm

81373 9,95



Battery carrying aid

Makes it easier to carry batteries & remove them from storage compartments. Easily adjustable in width.

81074 20,95



Battery mounting set

Battery mounting T-shape. Dims.:
W 165-187, H 170-225 mm

81377 16,90



Battery holder

Plastic, black, inside dims.:
275 x 170 mm

81375 9,90

VOTRONIC

12V



Battery monitor Battery-Protector 40

Between 2. Battery and load switched. Switch-off at 10.7 V, ON at 12.5 V. Self-consumption only 2 mA. Switching capacity 12V/40 A, can be briefly overloaded by 30%. Can also be operated remotely using an external switch. With EMERGENCY on-switch. Dims.: 90 x 60 x 38 mm, weight: 97 g.

80118 87,95

VOTRONIC

12V
24V

Also for LiFePO4 batteries



Battery monitor Battery-Protector 100

To protect on-board battery from deep discharge. As battery main switch with 1-pin. Can be operated remotely using external switch. With EMERGENCY on-switch. Adjustable switch-off thresholds. With pre-alarm. With control LED, switching current 100 A, briefly up to 150 A. Dims.: 100 x 89 x 35 mm, weight: 175 g. 12 V/24 V switchable.

81214 169,-

NDS | DOMETIC



Touchscreen battery management

- Connecting batteries of different technology and amperage
- Touchscreen color display with various control options
- Automatic management of up to 3 batteries
- Output for starter battery when service batteries are charged

The iManager is an innovative management system for all battery types. It can manage up to three batteries simultaneously or separately, including different battery types and amperages.

Improved performance through optimum charging & automatic battery cut-off extend battery life. It permanently monitors voltage of batteries and charging & discharging current.

85182 307,-

NDS | DOMETIC



Battery check

Automatic battery switch 12 volt (deep discharge protection) disconnects battery if voltage falls below 11 volts & automatically reconnects it as soon as voltage is above this value again (e.g. when charging). A switch allows the battery to be switched on manually after it has been switched off. Peak load up to 100A. Status display with LEDs.

85180 87,-

LIPPERT



Battery monitor BW 50

Battery monitor especially for consumers to require a lot of power, e.g. air conditioning systems. Switch-off voltage is 11.3 V, switch-on voltage 11.9 V. Dims.: L 100 x W 90 x H 43 mm, weight 140 g. Switching capa. max. 50 A.

81216 113,-

KELLER



Changeover relay 30 A

with 5 connecting pins.

81205 14,30

CBE



Isolating relay 70 A

Autom. Disconnecting 2 batteries (simple version)

81202 16,60

Reimo cut-off relay

Automatic disconnection of 2 batteries. Reverse polarity protect. via 2 protective diodes.

12 V 70 A

81200 18,30
81200L

12V

VOTRONIC

12V
24V



D+ Simulator Pro

- Suitable for all vehicles with combustion engine
- No intervention in the vehicle electronics
- Adjustable switch-off delay
- Display of device status via three-color LED
- Additional voltage monitoring

Operating voltage: 12V/24V, quiescent current consumption: < 3 mA, switching output: + switching, max. 300 mA, switching delay on: 4s, switching delay off (adjustable): 10s...5min, operating temp. range: -40...105°C, dims. (cylinder): 43x25mm, connection cable: 2m, weight: 100g.

812220 99,-

SMART cut-off relay suitable for EURO 6

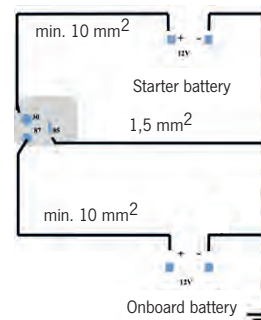
- 2 control methods - voltage-dependent or via motion sensor
- With diodes to prevent current flowing back from on-board to starter battery
- No D+ signal necessary
- Perfect in combination with charging boosters for even more charging power
- TÜV certified

Isolating relay for connecting & disconnecting starter battery & on-board battery. 2 working methods ensure safe operation. The relay switches at a voltage of 13.4 volts or when the vehicle moves. A diode circuit prevents current of flowing back from on-board battery to starter battery. Power: 12 V / 120 A, short-term 180 A.

Cable cross-section of battery connection should be at least 10mm². It should be installed as close as possible to starter battery. Ensure that it is firmly attached to bodywork so that the motion sensor works correctly. Dims.: W 45 x D 45 x 45 (83) mm.

81246

95,-



BATTERY SWITCH / JUMP STARTER

12V
24V



Fig. similar to

Battery disconnect switch

With removable key for disconnecting two batteries, as main switch and vehicle fuse against theft. Load capacity: duration/5 s. 100 A/500 A

81220 9,95

12V
24V



Battery disconnect switch

Switch with installation housing switches up to max. 100 A, dims.: 90 x 96 mm
Dim.: 90 x 96 mm
Color white

81226 55,90

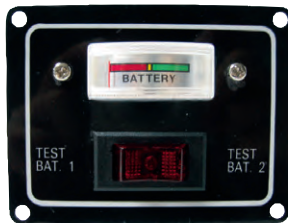
12V
24V



Battery selector switch

black, 230 A, short-term 300 A, lockable

81380 49,95



Battery switch

12 V, 2 batteries.

81371 19,90

12V
24V



MiniBattery disconnecter

With 3 ON-OFF-OUT positions. Stops main circuit by acting on positive terminal of battery and protects it during long periods of storage.

Hole Ø 29 mm, 2 V/24 V max. 100 A.

81229 21,95



Jump Starter SR Booster

- Compact, mobile, handy
- For effortless battery revival
- Capacity: 16,000 mAh (59.2 Wh)
- Can start vehicles more than 15 times in a row
- Stand with magnetic base
- White LED light and red light function

The SR Booster has a 12V LiFePo4 starter battery and effortlessly revives discharged or weak vehicle batteries with a current of 2,000 A. Status information can be read on the integrated LED display. With USB output (5V, 2.4A) as power supply for separately connected devices. A white LED light allows you to work even in the dark while the red light function can be used to signal dangerous situations. Output voltage: 12V DC, max. charging time: 5 hours. Connection cable included. Dimensions: WxHxD 120x260x133 mm, weight: 1.4 kg

800910 239,-

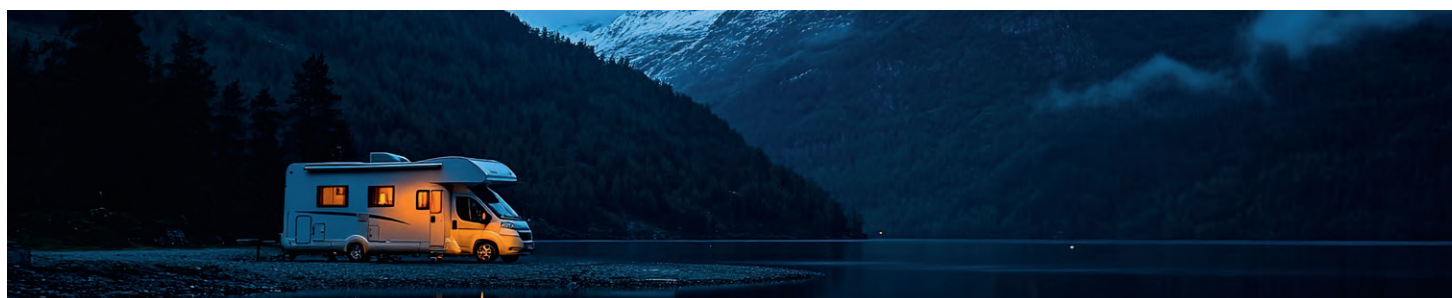


Power starter and power bank

- For cars and vans
- Lithium-ion battery
- Capacity 16.000 mAh
- Charging via 240 V and 12 V
- max. starting current 600 amps
- USB 5 Volt - 2.1 Ampere
- Including all adapters

Power bank as an energy source for the road can be used immediately as a jump starter, battery or charger. The multi-purpose battery can charge a cell phone or laptop or start a car up to 6 times. Dimensions: approx. L 164 x W75 x H34 mm. Weight 450g. In practical storage bag

800924 127,-



CS FREE - 4-in-1 device battery charger / maintenance device / adaptive booster / power bank

- Meigt Batteries ready for use again within 15 minutes
- Ereplaces jump starters thanks to integrated adaptive booster
- Fsuitable for any 12V lead-acid or LiFePO4 battery
- Power Bank function: The integrated 66 Wh lithium-ion battery allows mobile devices to be charged anywhere where there is no power connection
- USB-C / USB-A outputs for charging tablets, smartphones etc.

The all-in-one solution to revive discharged batteries, recharge batteries, keep them in optimum condition and charge mobile devices on the go. Adaptive booster: Say goodbye to starting aids. The CS FREE also serves as high-tech power bank with integrated 66 Wh battery that you can use to charge USB devices.

Technical data:

Battery capacity: 10-130 Ah. Starting voltage: 3V, input voltage: 100-240 V AC/ 50 Hz, max. 60 W. Output voltage: 12 V, 20A/240 W max. protection class IP54. Dims.: (LxWxH) 24.8x9.8x7.8. Weight: 1.4 kg.

Scope of delivery: CS FREE 4-in-1 device, 230V power supply unit w/ connection cable (1m), battery conn. terminals (+/-). **800700 216,-**



Blue Smart chargers with bluetooth function

- Configuration and display of voltage and current possible via smartphone using bluetooth
- Seven stage intelligent charging algorithm
- Connection to the battery via crocodile clamps or M8 cable lugs (included in the scope of delivery)
- Function for restoring a deeply discharged battery
- Automatic power supply function

| | ① BlueSmart 12/5 | ② BlueSmart 12/10 |
|------------------|---|-------------------|
| Charging current | 5 A | 10 A |
| Input voltage | 230 V | |
| Protection | Reverse polarity, output short circuit, overheating | |
| Dims HxWxD (mm) | 45x81x182 | 60x105x190 |
| Art. No. | 800690 | 800691 |
| Price | 107,10 | 167,- |



Download the free VictronConnect app now

Intelligent battery charger 6/12 V

- LCD display
- Diagnostic & revival function
- For 6/12V batteries (AGM, gel, wet)
- 5 stage charging program
- Controlled conservation charge

Microprocessor-controlled charger with 4.0 amps charging capacity.

Technical data: Protection class IP65, battery capacity: max. 120 Ah. Input voltage: 220-240 V AC/ 50 Hz, max. 70 W. Output voltage: max. 14.7 V DC/4.0 A. Dimensions: (LxWxH) 18 x 8 x 5 cm. Weight: 0.5 kg.

819010 35,95



35,95

Impulse U4 charger

- For all 12 V batteries (AGM, gel, acid)
- Precise micro processor charge control
- Controlled conservation charge
- Splashproof/dustproof (IP65)
- Pole clamps for connecting the battery

Charging current adjustable 0.8 A or 4 A. For wet, gel & AGM batteries up to 120 Ah. Enables a 100% charge. Can remain permanently connected to battery. Revives deeply discharged batteries.

81900 59,-



IP65

SWITCHING NETWORK CHARGERS / CHARGING TECHNOLOGY



12 V



25 A

IP67

30 A

IP22

Blue Smart switched mode chargers with bluetooth function

- For charging LiFePO4 / gel / AGM / lead-acid batteries
- Bluetooth function for wireless setting of the charger and for monitoring voltage and current
- Recovery function for fully discharged batteries even at 0 volts (provided that the battery cells are not permanently sulphated or otherwise damaged)
- Both chargers can be used as a power supply
- Robust aluminum housing
- Free app



Download the free Victron Connect App



Available on the App Store



GET IT ON Google Play

| | ① Blue Smart 12/25 (1+Si/IP67) | ② Blue Smart 12/30 (3/IP22) |
|------------------------------|---|-----------------------------------|
| Charging current | 25 A | 30 A |
| Input voltage / cable length | 180-265 V / 1,5 m | |
| Loading algorithm | 5 stage | 6 stage adaptive |
| Charging outputs | 1 | 3 |
| Battery connection | 1.5 m long cable (red/black) with eyelets | Screw clamps (16mm ²) |
| Status display | 2 LED's | 11 LED's |
| Protection | Reverse polarity, output short circuit, overheating | |
| Protection class | IP67 | IP22 |
| Dimensions HxWxD (mm) | 99x219x65 | 235x108x65 |
| Weight | 2,4 kg | 1,3 kg |
| Art. No. | 800694 | 800693 |
| Price | 264,-- | 260,-- |



12 V



Switch-mode chargers

- Automatic charging system
- High frequency switching technology
- Protected against overtemperature
- Suitable for lithium batteries (CB522-LT + BC122)

Chargers are protected against overtemperature and the 12V outputs are protected against short circuits & reverse polarity. High frequency switching technology enables high performance with reduced weights and dimensions.

① **CB522-3 Technical data:** voltage: 230V ~ ± 10%, frequency: 50÷60 Hz, maximum power: 320 W, protection fuse (ref. F2): T 3.15A (glass 5x20), safety switch: 230V ~ (illuminated), maximum output current: 22A.

Dimensions: 197x207x85 mm. **800354** **304,--**

② **CB522-LT** specially designed for lithium batteries. **Technical data:** voltage: 230V ~ ± 10%, frequency: 50÷60 Hz, maximum power: 320 W, protection fuse (ref. F2): T 3.15A (glass 5x20), : 230V safety switch (illuminated), maximum output current: 22A. Dimensions: 180x190x85 mm.

800300 **344,--**

③ **BC122** Highly efficient battery charger in compact format (without fan) for lead, gel, lithium and AGM batteries. Battery type selectable via DIP switch. With indicator LED light. **Technical data:** Voltage: 230V ~ ± 10%, frequency: 50÷60 Hz, maximum power: 320 W, protection fuse: 4A, maximum output current: 22A. Dimensions: 146x183x65 mm. Weight 8.0 kg.

800301 **277,--**



16 A



Switch mode battery charger CB 516-3

Charging current 16 A / 12 V also suitable for AGM batteries, as well as for gel and acid. 6 charging phases: Desulphation - Bulk - Absorption - Float - Stand by. IUoU charging characteristic. Connections: Schuko plug for 230 V, 6.3 mm blade receptacle for 12 V. Dimensions: W 180 x H 140 x D 85 mm. Weight: 1.0 kg.

800353 **199,--**



PowerLoad Charger - the latest generation of battery chargers

12 V 10-60 A 3 STEPS LEVEL BATTERY TYPE SELECTABLE ALSO FOR LiFePO4 BATTERIES IUoU

- For charging gel / AGM / lead-acid / LiFePO4 batteries
- DIP switch for selecting the battery type
- 5 stage charging program
- Integr. protection mechanisms
- Particularly quiet and efficient fan mechanism, temperature-controlled
- Aluminum housing in elegant design (matt anthracite)

Scope of delivery: PowerLoad Charger, connection cable

| Model | ① 10A | ② 20A | ③ 40A | ④ 60A |
|------------------------|------------------|------------------|------------------|-------------------|
| Charging current | 10 A | 20 A | 40 A | 60 A |
| Input voltage | 180-240 V | 180-240 V | 180-240 V | 180-240 V |
| Output voltage | max. 14.6 V | max. 14.6 V | max. 14.6 V | max. 14.6 V |
| Loading algorithm | 3-stage | 3-stage | 3-stage | 3-stage |
| Charging outputs | 1 | 1 | 1 | 1 |
| Status display | 4 LEDs | 4 LEDs | 4 LEDs | 4 LEDs |
| Connection cable incl. | 4mm ² | 4mm ² | 6mm ² | 10mm ² |
| Dims LxWxH (mm) | 135x150x80 | 190x150x85 | 265x150x80 | 255x222x85 |
| Weight app. | 1,8 kg | 2,3 kg | 3,2 kg | 4,5 kg |
| Art. No. | 802801 | 802802 | 802803 | 802804 |
| Price | 99,90 | 139,90 | 179,- | 259,- |

Expected to be available from end of Q1/25



Product dimensions plus app. 30 mm length for battery connection poles

Intelligent battery chargers with the latest 7 stage charging technology

12 V 10-40 A 7 STEPS LEVEL BATTERY TYPE SELECTABLE ALSO FOR LiFePO4 BATTERIES ECE R10

- For charging gel / AGM / lead-acid / LiFePO4 batteries
- 2 charging outputs 12V
- The automatic 7 stage charging algorithm delivers a much faster, more efficient and more complete charge without voltage drops occurring
- Can be used as a constant power supply for accessories that require a stable and clean DC voltage
- Device cooling via integrated fan

| Model | Battery capacity | Connection cable | Dims (mm) | kg app. | Item no. | Price |
|--------|------------------|--------------------|------------|---------|----------|-------|
| ① 10 A | 15-100 Ah | 4 mm ² | 176x175x95 | 1,3 | 80286 | 129,- |
| ② 15 A | 20-150 Ah | 4 mm ² | 176x175x95 | 1,3 | 80287 | 189,- |
| ③ 20 A | 25-200 Ah | 4 mm ² | 176x175x95 | 1,3 | 80288 | 219,- |
| ④ 40 A | 50-400 Ah | 10 mm ² | 276x175x95 | 3,0 | 80289 | 329,- |



ProLite intelligent battery charger

12 V 25 A 3 STEPS LEVEL BATTERY TYPE SELECTABLE ALSO FOR LiFePO4 BATTERIES ECE R10

- For charging gel / AGM / lead-acid / LiFePO4 batteries
- Recommended battery capacity: 125 - 250 Ah
- 3 isolated charging outputs
- Fanless and therefore noiseless

Input voltage: 115-230V, max. current consumption: 25A. IUoU charging characteristic. Protection class: IP22. Color: grey/blue. Dims: approx. 140x70x245 mm, weight: 1.4 kg

821811 422,-

25 A



Dolphin charger



15 A



Automatic chargers 15 A for high quality motorhomes

- Microprocessor controlled IUoU characteristics
- Automatic battery regeneration
- Compensation of voltage losses with long cables
- With optional temperature monitoring
- Including auxiliary charging output for the starter battery

Charging current 15 A with IUoU characteristic for acid/gel/AGM and modern lithium LiFePO4 batteries from 38-170 Ah (PB 1215). Remote control and temperature sensor optional. L 2 x W 160 x H 71 mm, weight from 1.3 kg.

| | | |
|---|---------------|--------------|
| Charger PB 1215 15 A | 80180 | 359,- |
| Temperature sensor with 3 m connection cable | 80181 | 22,95 |
| Remote control with LED display, incl. 5 m cable | 801961 | 51,95 |



Remote control

Also suitable for LiFePO4

Temperature sensor

40 A
60 A



Powerful automatic chargers up to 60 A

- Two main charging outputs with integrated charging current distributor
- Separate auxiliary charging output for the starter battery
- Adjustable battery capacity
- Current consumption can be limited (power limit function)

Devices as above, but with higher performance and extended range of functions: charging current 40 A or 60 A/12 V with IUoU characteristic for acid/gel/AGM and modern lithium LiFePO4 batteries from 75-480 Ah (PB 1240) and 120-660 Ah (PB1260). Remote control and temperature sensor optional. L 305 x W 160 x H 71 mm, weight from approx. 2.4 kg.

| | | |
|---|---------------|--------------|
| Charger PB 1240 40 A | 80242 | 585,- |
| Charger PB 1260 60 A | 80244 | 699,- |
| Temperature sensor with 3 m connection cable | 80181 | 22,95 |
| Remote control with LED display, incl. 5 m cable | 801961 | 51,95 |



Remote control

Also suitable for LiFePO4

Temperature sensor



Combination device (charger and charge converter / booster and MPPT solar charge controller)

- Fully automatic, battery-saving battery charging
- High operational reliability
- Robust technology and compact
- Simple installation and hardly any cable runs
- With integrated CI bus interface

Device combination consisting of charging converter, mains charger and MPP solar controller. The batteries are optimally charged at all times. Above all, the generously dimensioned charging power of the integrated charging converter with 30, 45 or 60 A ensures that the on board battery is charged with full charging current even on short journeys. The series corresponds to the VOTRONIC individual devices in terms of quality, equipment and functions and is characterized by its particularly compact and lightweight design. Acquisition, installation and connection wiring is reduced to a minimum. Designed for standard battery sizes, three different device combinations available. All devices are equipped with 8 future-proof charging characteristics for lead-acid, gel and AGM batteries as well as for lithium LiFePO4 batteries.

| | | |
|---|--------------|---------------|
| Battery Charger VBCS 30/20/250 Triple CI | 81291 | 795,- |
| Battery Charger VBCS 45/30/350 Triple CI | 81292 | 949,- |
| Battery Charger VBCS 60/40/430 Triple CI | 81293 | 1117,- |

Optional monitoring and control unit for Battery Charger VBCS Triple - simple installation via plug and play, supplied with 5 m cable.

| | | |
|--|---------------|--------------|
| LCD-Charge Control S (further information on page 1017) | 801153 | 98,50 |
|--|---------------|--------------|



Also for LiFePO4



VOTRONIC



StandBy-Charger Battery recharging and battery charge retention

StandBy Charger for gel, AGM and lead/acid batteries. Depending on the state of charge of the living area battery, the starter or auxiliary battery is automatically charged with part of the charging current. Overcharging is impossible as the charging voltage is reduced by 0.6 V and the charging current is limited to 2 A.

821242 38,90

VOTRONIC

LiFePO4 suitable



StandBy-Charger Pro

Charging converters, recharging and charge retention the starting battery

- Suitable for LiFePO4, lead, GEL, AGM batteries at the input as well as at the output
- IU charging characteristic
- Adjustable end-of-charge voltage (12.5 V - 14.5 V)
- High output current of max. 8 A

The StandBy-Charger Pro has an adjustable undervoltage limit at the input. Charging is interrupted if the voltage falls below this value. This means that for the first time they can be operated on a lithium (LiFePO4) battery as a supply battery without running the risk of discharging it completely. Battery voltage: 12V, charging current: 0-8 A, charging voltage (adjustable): 12.5-14.7 V, dimensions LxWxH: 71x105x25 mm, weight: 92g.

821243 145,--

NDS | DOMETIC



SmartSeparator deep discharge protection with recharging function

Constantly compares the connection between the starter battery, the surface-mounted battery and their connected consumers. As soon as the voltage of the starter battery increases (charging by alternator), it also switches the charging power to the surface-mounted battery. If the voltage of the starter battery falls below 12.8 volts, it disconnects the on board battery from the charging process. If the on board battery reaches 10.5 volts, it switches off all consumers to protect the battery from deep discharge.

82191 147,--

CBE
ELECTRONICS FOR CARAVANNING AND BOATING



Recharging system Automatic recharging system for starter batteries (not suitable for lithium batteries). If the voltage of the supply battery exceeds 13 V, the starter battery is automatically charged with up to 4 A. If the supply battery voltage falls below 12.5 V, the charging process is interrupted. Operating indicator via LED.

85028 43,10

LIPPERT

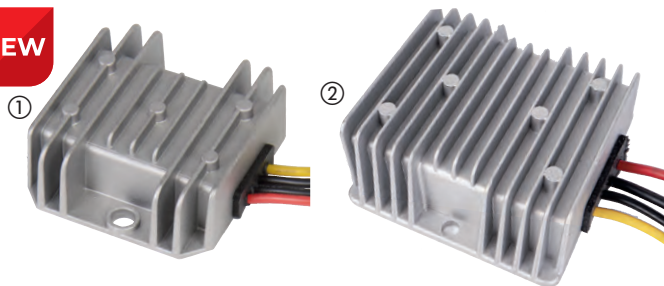


SR 1203 - voltage regulator

The SR 1203 voltage regulator provides a stabilized 12 V output voltage for sensitive electrical consumers that require exactly 12 V. Input voltage: 12 volts to a maximum of 15 volts. Output voltage: 12 volts (< 12 V with input voltage < 13 V. Maximum allowed load current: 3 amps. Dimensions: (LxWxH) 110 x 75 x 56 mm. Weight: 140 g. incl. Connection material.

82190 99,--

NEW



① **8-40 V voltage converter** Prevents e.g. flickering of LED lights in event of voltage fluctuations. Input voltage: 8-40 V. Output voltage: 12V/3A. IP68. Dims.: app. 64x58x22 mm, weight: 130g. 821830 19,90

② **12-24 V Spannungswandler** Eingangsspannung: 12 Volt. Output voltage: 24V/10A. IP68. Dims.: 74x74x32mm, weight: 280g. 82183 29,95

i Direct voltage converter: e.g. for converting 24 V to 12 V. Needed to reduce an on board voltage of 24 V to 12 V - this is the only way to operate many electrical devices. For trucks, for example, only use switched-mode voltage transformers. These have the advantage that the efficiency is around 90 % and the current loss is lower than with linear converters, which convert part of the energy to heat.

① BatteryBooster 12 V / 30 A

- Very compact design
- Optimizes battery charging & compensates for power losses
- Suitable for lead-acid / AGM / GEL / LiFePO4 batteries
- Ideal for vehicles with intelligent alternator (Euro 5/6)
- Bluetooth-capable with Bluetooth module 851007

Optimum charging of on-board battery while driving. High charging capacity without loss of power is guaranteed even for shorter journeys. **Technical data:** Input voltage: 12 V, charging capacity: 30 A, battery capacity: 45 - 280 Ah, weight: 0.46 kg.

821822 159,-

Suitable accessories for BatteryBooster

- ② Bluetooth module with 3m cable (free app for Android and iOS)
851007 24,90
- ③ Temperature sensor with 3m cable
851004 10,30
- ④ Separate monitor surface or recessed mounting possible. Incl. 5m connection cable with plug connector. Dims.: WxHxD 105x94x36 mm. Expected to be available from Q1/25.
851011 79,95

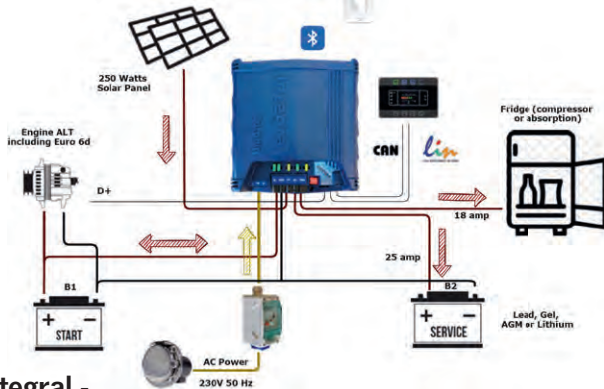


30 A

ECE R10

Dolphin®
charger

ECE R10



Integral - 3 in 1 battery charging booster 25 A Charging booster, charger, MPPT solar charge controller

- Built-in fuses
- Charging characteristic: IUoU
- Battery type: lead-acid, AGM, gel, LiFePO4
- Suitable for vehicles with intelligent alternator

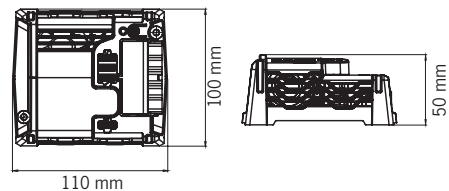
This battery charging booster combines three functions in one device. A 230 V charger with 15 A, a booster with two outputs (25 A + 18 A) and an MPPT solar charge controller (20 A, max. 30 V, 250 W). An absorber or compressor refrigerator can be supplied with power directly from the charging booster via the special 18 A refrigerator output. Suitable for the following battery types: Lead-acid / AGM / gel / LiFePO4.

Dims.: (L x W x H): 203 x 174 x 67 mm, weight: app. 0.9 kg.

821810 465,-

Dolphin®
charger

ECE R10



Booster Mini -

Battery charging booster 20 A incl. MPPT solar charge controller in compact format

- Ultra compact size and low weight
- Built-in MPPT solar charge controller (15-36 V / max. 140 W)
- Simple and safe installation thanks to plug & play cabling
- Very low heat development during operation
- Charging characteristic: IUoU

- Suitable for vehicles with Euro 5/6

Specially developed for use in vans, compact motorhomes and service vehicles. Suitable for use with all common battery types (lead/acid, AGM, gel, LiFePO4 batteries). Thanks to a separate 18 A output for the refrigerator, 100% of the booster's 20 A output is available for charging the on board battery. The direct connection on the device offers the option to connect a solar panel with a power of up to 140 W.

Dimensions: (LxWxH): 100x110x50 mm. Weight: approx. 0,2kg.

821824 225,-



PowerPeak Booster - latest generation of battery charging boosters

| | | | | |
|-----|--------------|------------------------------|---------------------------|------|
| 12V | 25 A 40 A | MPPT SOLAR CHARGE CONTROLLER | GEL AGM LEAD ACID LiFePO4 | IUOU |
|-----|--------------|------------------------------|---------------------------|------|

- Suitable for GEL / AGM / lead-acid / LiFePO4 batteries
- Integr. MPPT solar charge controller
- Status LEDs
- Particularly quiet fan for optimum performance even at higher temperatures
- Charging characteristic: IUoU
- Integr. protection mechanisms

① **PowerPeak Booster 25 A** Input voltage: 12-16 V, MPPT solar charge controller (12-30V/400W max.), dims.: 205x105x52 mm Weight: app. 1 kg.
821825 129,-

② **PowerPeak Booster 40 A** Input voltage: 12-16 V, MPPT solar charge controller (12-30V/650W max.), dims.: 205x135x57 mm Weight: app. 1.4 kg.
821826 189,-

Expected available from end of Q1/25.



Illustrations similar

Battery charging booster with integrated 18A refrigerator output

| | | | | | | |
|-----|--------------|--------------------------|---------------------------|------|----------|---------|
| 12V | 25 A 40 A | 18 A REFRIGERATOR OUTPUT | GEL AGM LEAD ACID LiFePO4 | IUOU | EURO 5/6 | ECE R10 |
|-----|--------------|--------------------------|---------------------------|------|----------|---------|

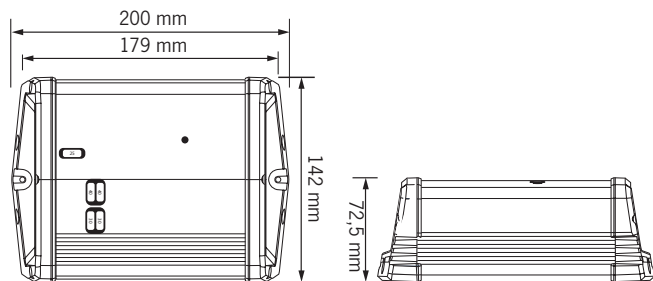
- Suitable for GEL / AGM / lead-acid / LiFePO4 batteries
- For vehicles with intelligent alternator (Euro 5/6)
- Operation with or without D+ signal possible
- Charging characteristic: IUoU
- Built-in fuses (B1, B2 and refrigerator)
- Uncomplicated plug & play installation

Battery charge boosters from Carbest with 25 A or 40 A power, charge your on-board or 2nd battery quickly & reliably while driving.

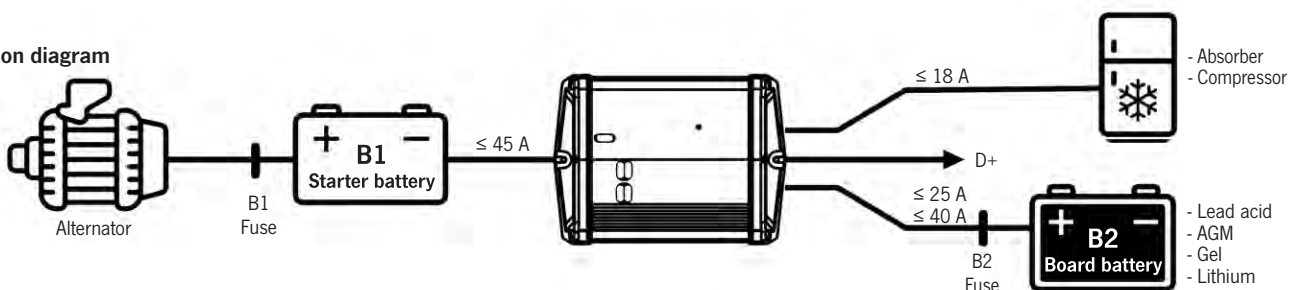
The IUoU charging characteristic supplies battery with constant current & voltage matched to it. After reaching charging end voltage, the changeover to float charge takes place. This compensates for the self-discharge of the battery.

An absorber or compressor refrigerator can be supplied with power directly from the charging booster via the special, integrated 18A refrigerator output. When the engine is running and/or the starter battery B1 is relatively charged, the output of the refrigerator is fed directly from B1. If engine is at a standstill and/or starter battery B1 has a relatively low charge, output of refrigerator is switched off or supplied by B2, depending on setting of DIP switch. Operating temp. range: +10°C to +50°C. Integrated undervoltage & overvoltage protection as well as reverse polarity protection. Dims.: L x W x H 200 x 142 x 72.5 mm, Weight: 1.1 kg

DC-DC Booster 25 A 821820 205,-
DC-DC Booster 40 A 821821 299,-



Connection diagram



BATTERY CHARGING BOOSTER

VOTRONIC



from 249,-



12V → 12V



Charging booster, optimum charging while driving

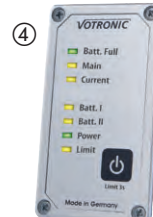
- For acid, gel and AGM batteries
- Additionally with special charging programs for LiFePO4 batteries
- Especially recommended for vehicles with Euro 5/6
- Charging power from 20 to 90 A for every vehicle type

Powerful charge converter with microprocessor-controlled IUoU characteristic for optimal charging of battery while driving. Compensates for voltage losses in long cable runs and/or small cross-sections. Suitable for acid, gel & AGM batteries as well as state-of-the-art lithium LiFePO4 batteries. Delivery includes temperature sensor.

| | | | |
|---------------|---------------------|--------|-------|
| ① VCC 1212-30 | 30 A charging power | 831801 | 249,- |
| VCC 1212-20 C | 20 A charging power | 831805 | 249,- |
| VCC 1212-50 | 50 A charging power | 831802 | 419,- |
| VCC 1212-70 | 70 A charging power | 831803 | 519,- |
| ② VCC 1212-90 | 90 A charging power | 831804 | 599,- |

Optional accessories

- ③ LCD-Charge Control S (further information on page 1017)
801154 98,50
- ④ LED Remote Control
801962 50,60



DOMETIC



Dometic PerfectPower DCC 1212-20 charging converter

- Full battery charge during the journey
- Voltage stabilizing for sensitive 12-volt consumers
- Ideal for modern vehicles with Euro 5/6

This direct current charging converter ensures that the supply battery is optimally charged at all times while driving.

| | |
|---------------------|---|
| Input voltage (VDC) | 12 (8-16) |
| Output current | 20 A |
| Output voltage | 12 (13,2 - 14,7) |
| Efficiency | up to 90 % |
| Battery types | Lead-acid batteries (liquid, gel, AGM), lithium |
| Dims. WxDxH (cm) | 15,3x22x7,3 |
| Weight (kg) | 1,55 |
| Art. no. | 80518 |
| Price | 249,- |

NDS | DOMETIC



Power service charging booster

- High charging voltage for gel and AGM batteries
- Up to 30 Ah charge of the second battery per hour of travel
- No conversion to the alternator or regulator of the base vehicle

PWS-4 30 BASIC Power Service BASIC for alternator output from 90 A, charging output from alternator 30 A, L 228 x H 135 x W 50 mm, weight approx. 1.0 kg **800822 249,-**

PWS-4 35 BASIC Power Service BASIC for alternator output from 100 A, alternator charging output 35 A, L 228 x W 135 x H 50 mm, weight approx. 1.0 kg **800823 249,-**

NDS | DOMETIC



For Fiat Ducato and Volkswagen Transporter 6 / 5

Power Service Gold 30A - the all-in-one solution charging converter, booster, solar charge controller, charger

- With integrated solar regulator and 230 V charger for electronically controlled power charging of the living area battery
- Up to 30 Ah charging capacity in driving mode
- Three different charging sources possible (12 V, 230 V, solar)
- Five stage charging process with desulphation function

Suitable for gel, AGM and lead/acid batteries. For alternator output from 90 A, alternator charging output 30 A, max. Euro 6 compatible. Solar controller output max. 250 watts, L 228 x W 135 x H 98 mm. Weight approx. 1.7 kg **800824 497,-**



Charging booster for motorhomes

- Charging characteristics for lead-acid, lead-gel, AGM and lithium batteries
- Temperature compensated charging with optional temperature sensor
- Charging characteristic IUoU
- Charging while driving
- Compensates for fluctuating alternator voltage

| | ① WA 121525 | ② WA 121545 |
|---------------------------------------|-----------------|-----------------|
| type. Charging current | 25 A | up to 70 A |
| max. input current | 28 A | 65 A |
| Input voltage | 12,0 V - 14,7 V | 12,0 V - 15,0 V |
| Output voltage | 14,7 V | 14,7 V |
| Dimensions WxHxD mm | 148x59x95 | 160x76x160 |
| Art. No. | 800243 | 800244 |
| Price | 236,- | 559,- |
| Thermal sensor for battery monitoring | E6741 | 31,70 |



Specially for caravan



Voltage / charging optimization for caravans

- Specially for caravans
- The booster increases the charging voltage to 14.4 V
- Battery is optimally charged while driving
- Charging caravan battery with 8 A

Developed for caravans.

Current is only drawn when the engine is running. Avoids discharge of the caravan battery due to leakage currents. Simple installation thanks to integrated cut-off relay. A drop in the charging voltage is prevented. Input voltage: 9-14.5 V. (max. 11 A). Output voltage: max. 14.4 V. Charging current 8 A at 12 V at the input. Dimensions: H148 x W95 x D55 mm. Weight: 270 g.

Booster WA 1208

80075

158,-

① + ②



Description display panel LT 453

The comfort panel with LED display. Display: Battery voltage 1 and 2, content level of fresh and waste water tank, pump main switch, 12 V main switch with control LED, 230 V input signal monitoring with LED, 2. Low battery indicator. Dimensions: 106 x 176 x 35 mm.

Energy blocks

- Complete 12 V supply is covered
- With integrated 18 A charger
- Battery monitor to protect against deep battery discharge
- Solar controller connection optionally possible
- Fuse block for 12 V for various circuits
- IUoU charging characteristic
- Connection of AES refrigerators possible
- Already built in as standard in many motorhomes

① **Energy block EBL 208 incl. display panel LT 453** EBL 208 electric block contains batterycharging module with 18 A charging current for lead-acid & lead-gel batteries (charging characteristic IUoU), a complete 12 V distr. system, fuse protection for 12 V main switch relay, energy-saving switching stage for water pump. With battery isolating switch for winter shutdown (no quiescent current consumption), battery monitor for switching off 12 V consumers if living area battery is undervoltage. Outputs of the 12 V distribution individually fused, partly switchable via relay. Parallel charging of living area and starter battery. Connection option for solar charge controller EBL 1218. The matching LT 453 display panel shows the battery status and the content level of 2 water tanks. ON/OFF switch for the entire system and a pump switch. Control LED's for: Battery undervoltage, pump ON/OFF, 12 V ON/OFF, 230 V available. Delivery includes mains cable and connection material, connection cable EBL / LT 5 m), tank sensors for waste water tank, measuring probe for water tank. Total weight of all components: 3.9 kg. Dims. energy block EBL 208: WxHxD 275x130x170 mm.

800033 648,-

② **Energy block EBL 211 incl. display panel LT 453** EBL 211 electric block contains batterycharging module for lead-gel batteries with additional special charging characteristic for AGM batteries. End-of-charge voltage for AGM 14.7 V, otherwise identical to EBL 208.

800034 639,-

③ **Solar regulator LR 1218** The controller ensures simultaneous charging of starter and living area battery with the aid of a solar module (for modules up to 250 W). Final charging voltage: 14.2 V, rated current max. 18 A. With connection material and fuses with holders. Weight 150 g. Dimensions in mm: L 110 x W 75 x H 56

85059 134,-

④ **Rod tank probes M400** for water tanks / waste water tanks up to height of 400 mm, can be shortened. Probe is mounted in a hole in the top of the tank. Delivery without cable

85501 31,-

M600 as M400, but for tank heights 400-600 mm.

855011 35,-

Cable for tank probes (no pic.) for waste water tanks, 6,5 m long, 5 x 0,5 mm²

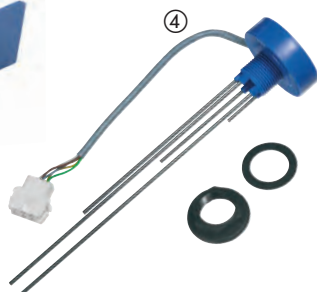
855021 34,-

③



Solar controller optionally connectable

④



Plug housing for Lippert electric blocks



Plug housing

Set MNL 2+3+4+5-fold one MNL connector housing each with matching pins for connecting Schaudt electrical blocks.

81249 18,80



Plug housing

Set MNL 6+15-gang one MNL connector housing each with matching pins for connecting Schaudt electric blocks.

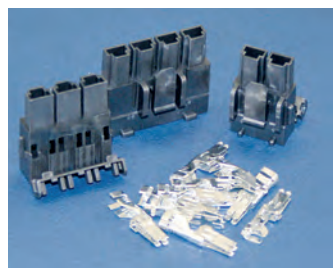
812491 18,80



Plug housing

Set MNL 6+9-gang one MNL connector housing each with matching pins for connecting Schaudt electric blocks.

812492 16,80



Plug housing

MolexMiniFit 2+3+4-gang set one MiniFit connector housing each with matching pins for connecting additional chargers and the refrigerator to Schaudt electric blocks.

812493 69,-

Power inverter
operate 230 V devices on 12 V with
sine-like voltage



- Use of many common household appliances
- USB port 5 V ~ 2.1 A
- Battery protection through undervoltage/overvoltage shutdown
- Reverse polarity protected
- Integrated overload protection
- Overtemperature shutdown (> 75° C)



| Figure | ① | ② | ③ | ④ |
|---------------------------------|----------------------|----------------------|----------------------|-----------------------|
| Inverter | Power inverter 200 W | Power inverter 400 W | Power inverter 600 W | Power inverter 1000 W |
| Input voltage DC | 12 V | 12 V | 12 V | 12 V |
| Input voltage range | 10,5 V-16 V | 10,5 V-16 V | 10,5 V-16 V | 10,5 V-16 V |
| Nominal output | 200 W | 400 W | 600 W | 1000 W |
| Peak power short term (2S) | 400 W | 800 W | 1200 W | 2000 W |
| Output voltage (±5%) | 220 - 240 V | 220 - 240 V | 220 - 240 V | 220 - 240 V |
| Shutdown threshold/undervoltage | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V |
| Quiescent current | <0,17 A | <0,21 A | <0,3 A | <0,33 A |
| Efficiency | >90% | >90% | >90% | >90% |
| Cooling | Fan | Fan | Fan | Fan |
| Protection | yes | yes | yes | yes |
| Connection for remote control | no | no | no | no |
| USB 5 V ~ 2.1 A | yes | yes | yes | yes |
| Socket | 1 | 1 | 1 | 1 |
| Dimensions (L x W x H) in mm | 120 x 100 x 50 | 120 x 100 x 50 | 150 x 100 x 50 | 210 x 150 x 70 |
| Weight | approx. 0.6 kg | approx. 0.7 kg | approx. 1 kg | approx. 2 kg |
| Art. No. | 82291 | 82292 | 82293 | 82294 |
| Price | 39,90 | 49,90 | 64,90 | 99,90 |



① 300 WATT



Connection cable w/ battery terminals (only for 82281)

② 700 WATT



③ 1000 WATT



④ 1500 WATT



⑤ 2000 WATT



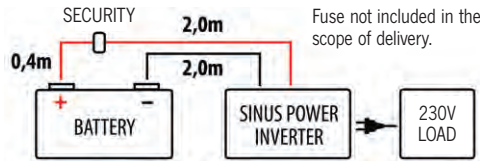
⑥ 3000 WATT



Video

Tested with Nespresso® capsule machine

(2000W + 3000W)






Matching cable remote controls

For ① with 4.5 m cable **81949** 24,90
 For ② c d e f with 5 m cable **81947** 24,90



Sine Power inverter for sensitive 230V devices

 **12V INPUT** **230V OUTPUT** **USB 2.1A**

- Extremely high starting current
- convert 12 V battery power to 230 V
- Also suitable for e.g. microwave ovens
- Switch mode technology: almost silent - light and compact
- Battery protection through undervoltage cut-off
- Overtemperature shutdown (approx. 60°C)
- Reverse polarity protected
- Integrated overload protection

Automatic load detection - The inverter switches to an energy saving mode if no power is drawn for one minute. If the temperature is too high, the built-in temperature-controlled cooling fan starts automatically. Aluminum housing - Suitable for floor & wall mounting.

| Model | ① PS300U | ② PS700U | ③ PS1000U | ④ PS1500U | ⑤ PS2000U | ⑥ PS3000U |
|-------------------------------------|---|-------------------------|-------------------------|-------------------------------|-------------------------|-------------------------|
| Input voltage DC | 12 V | 12 V | 12 V | 12 V | 12 V | 12 V |
| Output voltage (±5%) | 230 V | 230 V | 230 V | 230 V | 230 V | 230 V |
| Continuous output | 300 W | 700 W | 1.000 W | 1.500 W | 2.000 W | 3.000 W |
| Nominal output | 300 W | 700 W | 1.000 W | 1.500 W | 2.000 W | 3.000 W |
| Peak output | 600 W | 2.100 W | 3.000 W | 4.500 W | 6.000 W | 9.000 W |
| Switch-off threshold/ under-voltage | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V | 10,0±0,5 V |
| Quiescent current | ≤0,6 A | ≤0,3 A | ≤0,4 A | ≤0,5 A | ≤0,6 A | ≤0,8 A |
| Efficiency | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% |
| Connection remote control | yes | yes | yes | yes | yes | yes |
| USB port/ampere | yes/2.1A | yes/2.1 A | yes/2.1 A | yes/2.1 A | yes/2.1 A | yes/2.1 A |
| Sockets | 1 | 1 | 1 | 2 (1x Schuko, 1x universal)** | | |
| Connection cable included | 2x 2m with battery terminals & 1x 0,4m (4mm²) | 2x 2m & 1x 0,4m (16mm²) | 2x 2m & 1x 0,4m (25mm²) | 2x 2m & 1x 0,4m (50mm²) | 2x 2m & 1x 0,4m (50mm²) | 2x 2m & 1x 0,4m (50mm²) |
| Dims. (LxWxH) mm app. | 260x150x60 | 255x186x90 | 317x186x90 | 320x152x105 | 320x152x105 | 475x250x110 |
| Weight | 1,6 kg | 2,4 kg | 3,0 kg | 4,7 kg | 4,8 kg | 6,5 kg |
| Art. No. | 82281 | 82285 | 82282 | 82286 | 82283 | 82284 |
| Price | 109,- | 249,- | 349,- | 449,- | 629,- | 899,- |

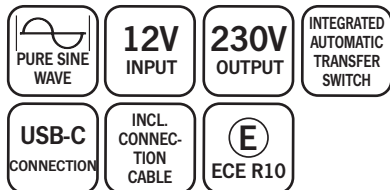
NOTE: Fuse required

We recommend a 12V fuse for installing the inverters on this page.
 300W=50A / 700W+1000W=100A / 1500W=150A / 2000W=200A / 3000W=300A.
 Suitable fuses can be found on page 1035.

**Not designed for simultaneous operation!



PowerWave Inverter - sine wave inverter with automatic transfer switch (ATS) of the latest generation



• **Integrated 230 volt automatic transfer switch:**
As soon as 230 volt shore power (e.g. from campsite) is available, the inverter operation is automatically interrupted. Inverter operation is restored immediately as soon as there is no more external flow available.

- Conversion from 12 V to 230 V pure sine wave voltage
- Integrated protection mechanisms
- Temperature controlled fan
- USB-C port
- Including connection cable
- High-quality aluminum housing, anthracite matt finish

Integrated automatic transfer switch (ATS)



NEW

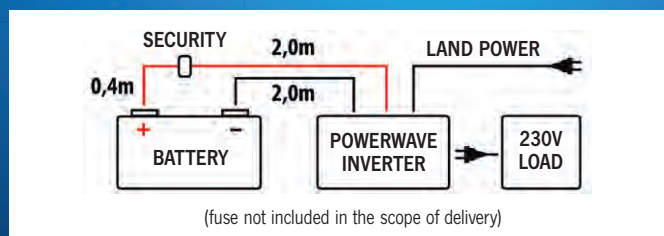
HIGH LIGHT



Connection poles
PowerWave Inverter 500W



Connection poles
PowerWave Inverter 1000-3000W



| | ① | ② | ③ | ④ |
|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Model | PowerWave 500 W | PowerWave 1000 W | PowerWave 2000 W | PowerWave 3000 W |
| Input voltage DC | 12 V | 12 V | 12 V | 12 V |
| Output voltage (±5%) | 230 V | 230 V | 230 V | 230 V |
| Continuous output | 500 W | 1000 W | 2000 W | 3000 W |
| Nominal output | 500 W | 1000 W | 2000 W | 3000 W |
| Short term peak output | 1000 W | 2000 W | 4000 W | 6000 W |
| Shutdown threshold/undervoltage | 10,5±0,2 V | 10,5±0,2 V | 10,5±0,2 V | 10,5±0,2 V |
| Quiescent current | 0,6 A | 0,8 A | 1,1 A | 1,3 A |
| Efficiency | 91% | 91% | 91% | 91% |
| Switch over time 230V to 12V (app.) | < 16 ms | < 16 ms | < 16 ms | < 16 ms |
| Sockets | 1x Schuko | 1x Schuko | 2x Schuko** | 2x Schuko** |
| 3 connection cables included | 2x 2m & 1x 0,4m (10mm ²) | 2x 2m & 1x 0,4m (25mm ²) | 2x 2m & 1x 0,4m (50mm ²) | 2x 2m & 1x 0,4m (50mm ²) |
| Colour | Matte anthracite | Matte anthracite | Matte anthracite | Matte anthracite |
| Dims. LxWxH mm (app.)* | 245 x 150 x 80 mm | 295 x 150 x 80 mm | 355 x 220 x 85 mm | 355 x 220 x 120 mm |
| Weight | app. 2,5 kg | app. 3 kg | app. 7 kg | app. 8 kg |
| Art. No. | 82261 | 82262 | 82263 | 82264 |
| Price | 239,- | 379,- | 679,- | 899,- |

Expected available from end of Q1/25.

*Product dims. plus length of battery connection poles: app. 30 mm for 82262 / 82263, app. 60 mm for 82264.

NOTE: Fuse required

We recommend a 12V fuse for installing the inverters on this page.
500W=80A / 1000W=100A / 2000W=200A / 3000W=300A. Suitable fuses can be found on page 1035.



Optional accessories:

PowerDisplay cable remote control

For all PowerWave inverters, simple operation with just one button. The digital display with switchable backlighting displays all important inverter data. Cable length: 5 m. Dimensions: 101 x 71 mm, color: black

82265 34,90

**Not designed for simultaneous operation!

SINE WAVE INVERTER

VOTRONIC

REINER SINUS



removable control panel

High quality sine wave inverters for continuous professional use

- Switch-mode technology: compact, lightweight, robust and reliable
- Protection against over/undervoltage, overload, overheating
- Power saving control with automatic switch-off
- Integrated mains priority circuit with 10 A automatic circuit breaker
- Output and temperature controlled fan with speed control
- Control panel can be removed and mounted externally (incl. 5 m cable)
- Selectable power saving mode: continuous operation, automatic standby, OFF

| Inverters | ① SMI 600-NVS | ② SMI 1200 NVS | ③ SMI 1700 NVS |
|-----------------------|--------------------|--------------------|--------------------|
| Input/output voltage | 12 Volt / 230 Volt | 12 Volt / 230 Volt | 12 Volt / 230 Volt |
| Continuous output | 600 watts | 1.200 watts | 1.700 watts |
| Short performance | 840 watts | 1.400 watts | 2.100 watts |
| Top performance | 1.200 watts | 2.000 watts | 3.000 watts |
| Standby consumption | 5 watt | 8 watts | 10 watts |
| Weight | 2,3 kg | 4,0 kg | 5,2 kg |
| Dimensions (LxHxD) mm | 332 x 74 x 139 | 265 x 90 x 305 | 265 x 90 x 440 |
| Art. No. | 82213 | 82200 | 82203 |
| Price | 616,- | 939,- | 1024,- |

Cable set (can be shortened) 2 x Ø 25 mm² m8 eyelets on one side for connection to pole terminals
 For SMI 1200 NVS, L 100 cm **81997** **54,90**
 For SMI 1200 NVS, L 200 cm **819971** **91,40**

Cable set (can be shortened) 2 x Ø 35 mm² m8 eyelets on one side for connection to pole terminals
 For SMI 1700 NVS, L 100 cm **81998** **64,90**
 For SMI 1700 NVS, L 200 cm **819981** **115,-**

BÜTTNER
 ↳ DOMETIC



removable control panel

Sine wave inverters without compromise

- Stand by functions
- Integrated mains switching
- Remote control via control panel
- Operating status display
- Automatic switch-off
- High overload capacity
- High efficiency
- Low overall height (70 mm)
- Vertical or horizontal installation
- Thermally controlled whisper fans

All appliances are overload capable and have whisper fans as well as all monitoring and switch-off functions. The control panel with display functions can be removed and mounted in the vehicle as a remote control. An integrated load detection system switches the appliances into a power saving mode when not in use and, if necessary, switches them off completely automatically. With socket and battery cable (1.2 m) as well as a cable extension for control panel (5 m).

| Technical data | ① MT 1200SI-N | ② MT 1700SI-N |
|--------------------------------|--------------------------------|-------------------|
| Input voltage | 10,5-15 V | 10,5-15 V |
| Output voltage | 230 V AC 50 Hz | quartz stabilized |
| Continuous output/ peak output | 1200 W/ 2000 W | 1700 W/ 3000 W |
| Power consumption standby | max. 0.2 A | max. 0.2 A |
| Mains switching | yes | yes |
| Weight | 5950 g | 7100 g |
| Dims. (L x W x H) mm | 400 x 299 x 70 | 480 x 299 x 70 |
| Item no. | 82199 | 82169 |
| Price | 1149,- | 1275,- |
| Accessories: | Cable fuse set MT 1700SI-/SI-N | |
| Item no. | 821990 | |
| Price | 51,- | |



Sinus power for the best price

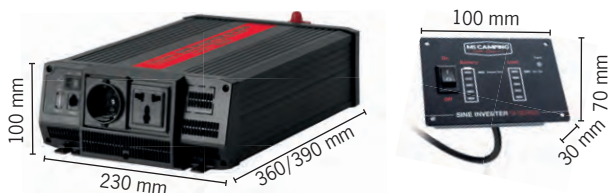
Sine waveinverter SI-1500/SI-2000



- Conversion from 12 V to 230 V sine wave voltage
- USB connection 5 V, 2.1 A
- Including connection cable (2x 0.8 m, Ø25mm² / Ø35mm²)
- Wired remote control included

With the McCamping inverters, you can convert 12 V on board power from your camper van or motorhome into 230 V sine wave voltage. This means that standard appliances such as a coffee machine, TV or hairdryer can be used in camping vehicles as usual. Integrated USB port (5 V, 2.1 A). Security is provided by the polarity, overvoltage and short-circuit protection. The integrated fan protects against overheating. Acoustic warning signal for low battery level.

| Type | SI-1500 | SI-2000 |
|-------------------------------------|-----------------------------------|-----------------------------------|
| Input voltage DC | 12 V | 12 V |
| Output voltage (±5%) | 230 V | 230 V |
| Continuous output | 1500 W | 2000 W |
| Short term peak output | 3000 W | 4000 W |
| Cable remote control connection | yes | yes |
| USB port/ampere | 5V/2.1A | 5V/2.1 A |
| Sockets** | 1x Schuko 1x universal | 1x Schuko 1x universal |
| Connection cable included | 2x 0,8 m (25 mm ²) | 2x 0,8 m (35 mm ²) |
| Inverter dimensions (LxWxH) mm | 360x230x100 | 390x230x100 |
| Control panel dimensions (LxWxH) mm | 100x70x30 | 100x70x30 |
| Weight app. | 3,9 kg | 4,0 kg |
| Item no. | 82270 | 82271 |
| Price | 299,- | 399,- |



from **299,-**



**Not designed for simultaneous operation!



VIA Set - Digital monitoring and switching system for motorhomes / caravans

- A combination of control panel and versatile power distributor
- 3.5 inch LCD color display with 8 controls
- High quality, anodized aluminium housing in black with high resolution IPS display with anti reflective coating
- WLAN function for remote management with smartphone
- Free app for Android and iOS operating systems

The VIA set offers everything you need to monitor the batteries, tanks, temperatures, refrigerator, hob and solar system as well as to control the water pump, refrigerator, heating, lighting, etc.

The VIA panel is supplied together with the SPDU52 12V power distributor. It is a versatile module with 6 switching channels distributed over 12 fuses, a 50 A shunt for a DC-DC charger (booster) or a starter battery, a 40 A shunt for the wall charger and a 16 A shunt for the solar system. With additional optional modules, it can be connected to up to 6 battery banks, 24 shunts, 10 temperature sensors, 14 tank level sensors and 1 inclination sensor. The system can be switched on or off via smartphone using WLAN technology and many technical details can be called up and controlled. The free app is available for iOS and Android devices.

80269 608,-

Shunt SC303 - For LiFePO4 batteries / inverters

An SC303 shunt (300 A) is required to monitor the state of charge of a LiFePO4 battery or the consumption of an inverter.

80282 124,-



PICO ONE SET (surface-mounted version / stand alone) Battery monitor for compact touring vehicles

- 3.5 inch IPS display with 4 touch buttons
- High quality black aluminum housing with Gorilla Glass® and anti reflective coating
- WLAN function for remote management with smartphone
- Free app for Android and iOS operating systems

The PICO ONE SET is the perfect complete solution for battery and tank monitoring for camper vans, motorhomes and smaller boats. Ideal if you want to monitor 1 main battery or battery bank, 1 additional starter or auxiliary battery and up to 2 tanks or temperatures. The PICO battery monitor provides data on batteries, tank levels, temperatures, refrigerator and solar energy, helps to level the motorhome and even has a built-in barograph.

The SC303 shunt included in this set is suitable for a continuous current of up to 300 amps. It has 2 resistance and 2 voltage inputs and a connection for a temperature sensor.

Scope of delivery: PICO battery monitor, SC303 shunt, connection cable.

80169 341,-

PICO STANDARD SET (built-in variant / panel mounted) This is the right set if you want to monitor 1 main battery or battery bank, up to 4 starter or auxiliary batteries and up to 6 tanks or temperatures.

Scope of delivery: PICO battery monitor, SC303 shunt, ST107 module for tank level and voltage, connection cable.

80279 430,-

Suitable Votronic tank probes (801204) for fresh and waste water can be found in the Water/Sanitary category on page 709.

Optional accessory for 80169 + 80269 + 80279

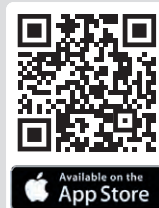
Digital inclinometer SDI01 with manual calibration

For the VIA and PICO control systems. Inclinometer for vehicle leveling. Plug-and-play installation. Operating voltage: 6-35 V, current consumption at 12 V: 1 mA, resolution: 0.1°

82193 103,-



DOWNLOAD THE FREE SIMARINE APP HERE:





Scan the QR code and download Revotion app free of charge

Available on the App Store | GET IT ON Google Play

The tablet or smartphone becomes the control center



Smart Home for the camper.



Revotion-Brain - The main computer

- Hub/bridge for the REVOTION system (once per vehicle)
 - Bluetooth for local control (100% self-sufficient & usable without Internet)
 - Up to 3 end devices locally at the same time
 - LTE-M Internet for over-the-air updates (SIM integrated)
 - Integrated GPS tracking
 - Connect up to 25 NODE's wirelessly
- 80320 599,-

Simple installation of the NODE's thanks to wireless communication between the individual modules.



NODE-Connect –

Heating control & integrations

- Controlling your devices has never been so easy
- Integrate heating, air conditioning, alarm system & more, new updates extend compatibility
- Easy installation thanks to plug & play adapter cable

80330 149,-

Adapterkabel Truma iNet NODE Connect

80331 29,-

Adapter cable Thitronik NODE Connect

80334 29,-

Adapter cable Eberspächer NODE Connect

80332 29,-

Adapter cable Ecoflow NODE Connect

80333 29,-

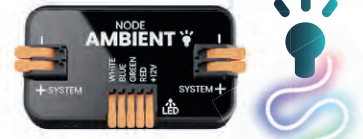


NODE-Switch –

Digital switch & fuse

- Digital switch (on/off) up to 20A
- Integrated fuse (freely adjustable)
- Measure power consumption per device
- Additionally switchable via physical switch or push-button (redundancy)
- One consumer/consumer group per NODE

80321 149,-



NODE-Ambient –

Light dimmer & color control

- Dimming LED's via ground
- One light zone per NODE Ambient
- Choose between RGB, RGB-W, white
- Additionally switchable and dimmable through physical button
- Intuitive control & set the mood
- Integrated 5A fuse (self-reset)

80324 149,-

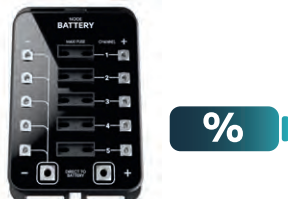


NODE level –

Precise Tank levels

- Precise content levels infinitely variable in %
- Conversion to remaining liters
- Up to 2 tank sensors per NODE Level
- Notifications & warnings
- Votronic tank electrode & 0-190 Ohm Resistance sensor (not included)

80322 149,-



NODE-Battery –

Smart Energy management

- Precise battery monitoring
- Current flows from individual Monitor consumers & producers
- 5 channels 60A each, max. 200A
- Notifications & warnings
- One NODE Battery per battery/battery bank)

80325 299,-



NODE-Temp –

Precise temperature sensors

- Free temperature sensors (waterproof)
- Two sensors per NODE (see digital temperature sensor 80327)
- Notifications & warnings

80323 149,-




Many other modules and integrations

NODE-Battery-High-Current
The 500A shunt (1 channel) for battery monitoring
80328 199,-

NODE-VE-Direct
VictronEnergy SmartShunt Integration
80326 149,-

Digital temperature sensor
Suitable for NODE Temp
80327 9,-

NODE-TwoWay
The digital two way switch
80329 149,-



Fuse panel 4 S
With 4 circuit breakers (6, 8, 10, 12 A) for protecting individual circuits
Dims. W47 x H85 x D75 mm
801220 73,50



Switch panel
With 4 switches (max. 8A each) with LED display
Dims. W47 x H85 x D25 mm. Switch panel fS 12/24 V.
801300 47,50




Switch panel 16 A
Single switch (max 16 A)
Dims. W47 x H85 x D45 mm Switch panel S, 16A
801303 21,50



Switch panel 2x16 A
With two individual switches (max. 16 A each)
Dims. W 47 x H 85 x D 45 mm Switch panel S, 2 x 16 A
801304 28,95



Main control panel
On/off switch with 20 A overcurrent protection function
Dims. W 47 x H 85 x D 75 mm Main switch S, 20 A
801305 54,95



Socket panel
For 12 V consumers with DIN plug (ISO 4165)
Dims. W 47 x H 85 x D 65 mm Socket outlet panel S
801306 24,95



USB charging panel S
Dual charger 5 V/2.5 A
Dims. W 47 x H 85 x D 42 mm, USB charging panel S
801292 66,50



Front panel cover S
For switches or as cover frame front panel cover S (85 x 47 mm)
801012 10,50



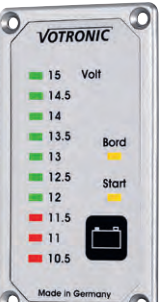
Fresh water tank display
With LED bar display for fresh water tanks.
Dims.: W 47 x H 85 x D 20 mm
Fresh water tank indicator S
801160 57,70




Waste water tank display
With LED bar display for waste water tanks.
Dims.: W 47 x H 85 x D 20 mm
Waste water tank indicator S
801170 53,80



Holding tank display
With LED bar display for waste tanks
Dims.: W 47 x H 85 x D 20 mm
Waste tank indicator S
801180 60,95



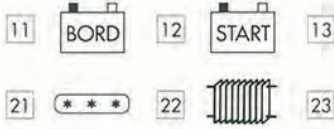
Duo battery tester
With LED display of the on board and starter battery (12 V).
Dims.: W 47 x H 85 x D 18 mm
Duo battery tester S
801152 64,50



Checkpanel 714
Switch off the 12 V system. 4 fused outputs (automatic circuit breaker 1x 12 A/3 x 10 A). Central 12 V distribution from the panel. Integrated standard socket 12 V/16 A*, on/off main switch 12 V/20 A (main switch is also a 20 A fuse).
Dims.: H: 72 x W: 155 x D: max. 95 mm. (*If the socket outlet is loaded with more than 10 A, it must be fused separately via an extra cable, up to a maximum of 16 A)
800191 159,-



Plastics surface mounted housing
For the LCD device series.
For surface mounting. Dims.: W 87 x H83 x D 27 mm.
Color silver **801013 20,50**



Pictogram foil
For switch labeling. International signs, transparent, black symbols (approx. 12 x 10 mm), self-adhesive, pre-punched, abrasion resistant.
801200 11,50

LCD battery computer S with Smart Shunt

- Start and on board battery voltage (7-32 V)
- Battery current (charge/discharge in A)
- Residual battery capacity (in % and Ah)
- Remaining time (in h)
- Can also be used as main switch and deep discharge protection

Suitable for all battery types (incl. LiFePO4) with 12 V/24 V. Can also be used as a battery monitor thanks to freely programmable switching points (%) (with Switch-Unit 40/100). Panel Dims.: W 80 x H 85 x D 25 mm. Supplied with precision shunt, ground strap and plug in digital cable.

| | | |
|---------------------------------------|--------|-------|
| LCD battery computer 100S Smart-Shunt | 801094 | 199,- |
| LCD battery computer 200S Smart-Shunt | 801061 | 223,- |
| LCD battery computer 400S Smart-Shunt | 801031 | 263,- |



LCDsolar computer S

- Display of current solar power (in W), solar current (in A), on-board battery voltage (in V)
- Charged solar capacity (in Ah)
- Charged solar energy (in kWh)

Convenient display for all Votronic SR and MPP solar controllers (from 2013). The accumulated solar capacity (Ah) and energy (kWh) can be reset at the touch of a button. Minimum power consumption (standby 3 mA, illuminated 30 mA). Dims. W 80 x H 85 x D 25 mm.

810241 104,-



LCD voltmeterS

To display the voltage of the on board/starter battery. Dims.: W 80 x H 85 x D 25 mm.

801151 115,-



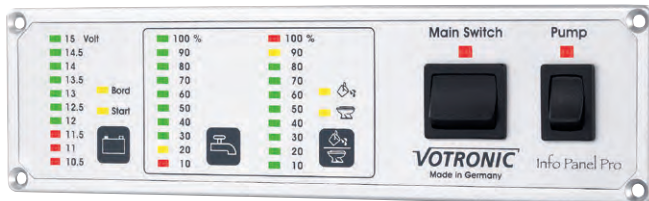
12V
24V

LCDcharge control S

- Active charging source (mains, charging converter, solar)
- Control of mains charging function (AC power limit)
- Battery charging phase
- Battery voltage on board/starter battery
- Current charging current
- Solar computer function

Convenient control and operating element for Votronic VBCS-Triple series. Plug in connection via 5 m control cable. Large, bright graphic display. Dims. W 80 x H 85 x D 24 mm.

- ① LCD charge control S for VBCS Triple 801153 98,50
- ② LCD charge control S for VCC 801154 98,50



12V

Info-Panel Pro for tanks and battery

- All informations at a glance
- Integrated main and pump switch

Info panel for tank and battery monitoring. Display of 2 battery voltages and content level of 2 water tanks. Main pump switch 10 A with control LED and main switch 16 A. Supplied without tank probes. Dims.: W 220 x H 55 x D 18 mm.

801230 115,-



12V

Votronic Power-Control Jupiter multi panel system for motorhomes

- Information as numerical values and bar graphs
- Simple, intuitive operation
- Large, white backlit graphic display
- compact design
- simple assembly



With the full range of functions of the LCD battery computer & solar computer (see above), indoor and outdoor thermometer, clock, fuel gauge for fresh and waste water tank, main pump switch (up to 16A) and main switch. Including programmable deep discharge protection (% remaining capacity), with double USB charging socket (5 V/2.5 A).

| | | |
|---------------------------------------|--------|-------|
| VPC Jupiter 100 with Smart-Shunt 100A | 801155 | 317,- |
| VPC Jupiter 200 with Smart-Shunt 200A | 801156 | 345,- |
| VPC Jupiter 400 with Smart-Shunt 400A | 801157 | 429,- |



12V
24V

Votronic Power-Control Merkur multi panel system for motorhomes

Without fuel gauge (especially for camper vans), but with LCD solar computer, voltage display for starter and on board battery, indoor and outdoor thermometer, clock and main switch via external relay with voltage controlled deep discharge protection for the on board battery. Also with double USB charging socket. Dims. W200 x H65 x D30mm.

80263 295,-



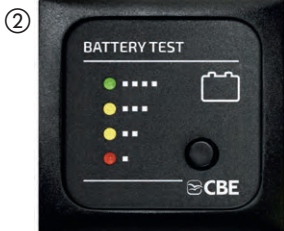
12V
24V

Votronic Power-Control Terra multi panel system for motorhomes

With voltage display for starter and on board battery, tank display for fresh and waste water tank, LCD solar computer, main pump switch and main switch via external relay with voltage controlled deep discharge protection for the on board battery. Dims. W200 x H65 x D28mm.

80260 223,-

DISPLAY PANELS / BATTERY TESTER / MAINS PRIORITY CIRCUIT



Display panels

① **PT732** OLED display with touch operation to test two 12 V batteries. Including frame and a wall spacer. Dimensions: 60 x 60 mm

801604 94,95

② **Battery test panel** with 4 LEDs for connecting a battery. Includes frame and spacer plate for surface mounting.

MTB/G (slate) 82145 29,95
MTB/M (brown) 82148 29,95



Battery computer with Hall sensor

MT iQ Basic^{PRO} The basic model with induction measurement provides information on the current flowing, the available remaining runtime and the capacity (in % and Ah) still available in the on-board battery(ies). Simple installation and programming. Includes induction sensor and surface-mounted housing. Voltage: 12/24 V, dimensions (WxHxD): 90 x 95 x 20 mm, installation depth: 20 mm. Color black

80164 259,-



MT NU-3600 grid switching for sine wave inverters



Intelligent motorhome grid priority circuit with very high switching capacity. Suitable for all sine wave inverters. Mains switching ensures that the optimum 230 V supply is always available at the indoor sockets. Controlled via a MT 5000 iQ battery computer.

The following connection options are available:

- Mains/shore power input
- Inverter input
- Output for charger and refrigerator etc.
- Output to indoor sockets
- Output 230 V after activation 12 V
- Signal output for operating status

Technical data: Input voltage: 230 Volt, 16 A (3600 VA), protection class IP55. Dimensions: (W x H x D): 160 x 145 x 77 mm

801070 185,-

MT NU-2300 grid switching for sine wave inverters (not shown)

External mains priority circuit with a switching capacity of up to 2300 watts. Suitable for sine wave inverters in motorhomes without integrated mains switching. Either the inverter is connected through to the indoor sockets or, if available, 230 V from the external power supply.

Technical data: Input voltage 230V, 10 A (2300 VA), protection class: IP55. Dimensions: (W x H x D): 113 x 93 x 55 mm.

801071 121,-



Battery tester

BT1201 Enduro 12 V, black/grey: for permanent installation in caravans, motorhomes or boats directly on the battery: ideal for supply batteries or batteries in vehicles with a long service life. Voltage range: 8-16 volts, current consumption: max. 70 mA, battery types: lead-acid, AGM, gel. Color: black/grey. Dimensions: approx. L 60 x W 50 x H 20 mm

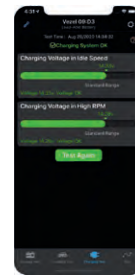
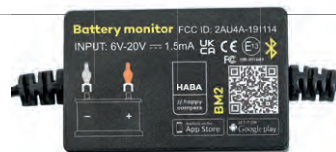
80157 14,95



Priority circuit for inverters

Automatic switching between shore power and power from the inverter. As soon as external current is present, e.g. from the campsite, inverter operation is interrupted. Without external power, the inverter works again and supplies the 230 V loads. There is a second high load output that only works when external current is present (e.g. for operating chargers or air conditioning systems). This prevents the inverter from being overloaded. For inverters up to 2.300 W power.

82192 145,-



Bluetooth battery monitor

- **Display battery status in real time via app on smartphone or tablet**
- **For Android or iOS devices**
- **Compact design** It requires a voltage of 6-20V DC and has a very low power consumption of approx. 0.18W. Dimensions: 55x35x16mm, weight: approx. 34 g

812400 45,40



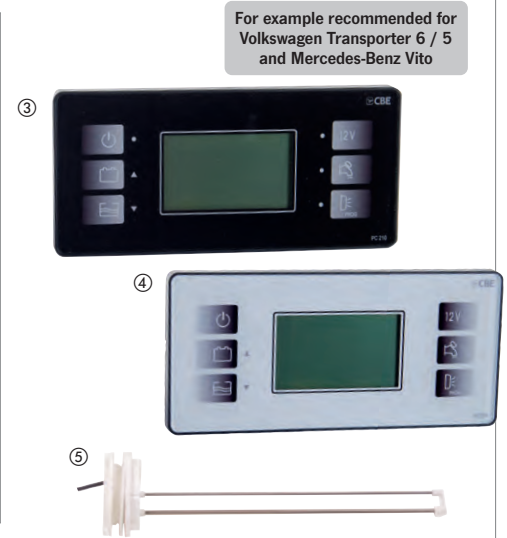
For Android 5.0 and higher
From iOS 10
iPhone (from 5)
iPad (from 3. Gene-)



Bluetooth computer S-BC

- **Can be retrofitted at any time thanks to simple plug & play inst.**
- **Compact design and low power consumption**
- **Range up to 50 m**
- **Free app (for Android and iOS)** The VOTRONIC Energy Monitor consists of a special communication module (Bluetooth Connector S-BC) which, in conjunction with a VOTRONIC solar charge controller (from 2013) with LCD Solar Computer S and/or the LCD Battery Computer S or VPC Jupiter with Smart Shunt, also transmits the values shown on the corresponding display to a mobile device via Bluetooth. In this way, all the information from the on-board battery, such as voltage, charging and discharging currents and the remaining capacity, as well as all the data from the solar system can be conveniently read via the cell phone or tablet. In addition, the most important data is logged, graphically processed and stored for a longer period of time. Possible to output data as CSV file for your own analysis purposes.

80144 167,-



For example recommended for Volkswagen Transporter 6 / 5 and Mercedes-Benz Vito

Panel systems PC 210 and PC 380

PC 210/PC 380 complete set Digital with LCD screen, clock and temperature display, 12 V main switch with control LED, pump switch with control LED, light switch, temperature display for indoors and outdoors, clock, infinitely variable fresh water indicator in the display with optional electronic probe for tanks with a height of 300/260/200 mm. Flashing full waste water indicator in the display, 230 V control indicator, battery voltage indicator for starter and living area battery. Display for charging process via alternator. Connection box: Pump relay to operate even large pumps without any problems. Battery cut-off relay for recharging the second battery while driving. Relay for switching off the refrigerator when the vehicle is stationary. 9 miniature fuses for light, refrigerator, pump, heating, step, solar.

Accessories supplied: Cable from module to panel, 2 rubber probes for waste water, cable to fresh water tank and waste water tank probes, fuse switch, 2 50 A fuses, indoor and outdoor temperature cable harnesses with sensor. Display dimensions: PC 210: 170x80, PC 380: 190x130 mm.

| | | |
|--|---------------|--------------|
| ① PC 380 complete set (with control panel) | 81094 | 508,- |
| ② PC 210 complete set (with control panel, black) | 801372 | 412,- |
| ③ PC 210 Control panel single, black | 801373 | 189,- |
| ④ PC 210 single control panel, white | 801374 | 189,- |
| ⑤ Electronic fresh water tank probe | | |
| for tank height 180 mm | 80133 | 50,75 |
| for tank height 240 mm | 80134 | 44,85 |
| for tank height 300 mm | 80132 | 48,70 |

Control and switch panels incl. switch box. Display of electricity and water. With main switch and switch for water pump and lighting.



Additional tank probe 400 mm
80138 **23,-**

Universal display and switching systems for the 12 V electrical supply

- Any charger can be connected
- Electronic detection of the D+ signal, integrated cut-off relay
- Main switch 12 volt with control LED
- 9 fuse circuits, display for 230 V supply
- Pump switch with relay and control LED
- Refrigerator switches off automatically when the vehicle is stationary
- Display for charging via alternator
- Modern design & technology

① **SYSTEM PC 100** Analogue display panel, fresh water display with 4 LEDs, full waste water display with LED, voltage display for on board and starter battery with 4 LEDs. Accessories included: Tank probe 400 mm for fresh water tank, can be shortened, incl. cable. 2 rubber sensors for grey water tank incl. cable. Connection cable from connection box to panel. Fuse holder with 2 x 50 A fuses, dimensions: W 192 x H 78 mm
80136 **294,-**

② **SYSTEM PC110** Microprocessor controlled digital system with LED display with the following functions: Car battery test, auxiliary battery B1 and B2 status test, drinking water test: content status, waste water tank warning, electronic battery disconnection, refrigerator control: gas/12 V/220 V, protective fuses, control of car battery recharging, protection of auxiliary battery, dimensions: 170 x 80 mm
80149 **322,-**

③ **SYSTEM PC180** Microprocessor controlled digital system with LED display with the following functions: Car battery test, auxiliary battery B1 and B2 status test, drinking water test: content status, waste water tank warning, electronic battery disconnection, refrigerator control: gas/12 V/220 V, protective fuses, control of car battery recharging, protection of auxiliary battery, twilight sensor, dimensions: 190 x 130 mm
80148 **334,-**

12/24 VOLT PLUGS / SOCKETS



**12V
24V**

Power plug 20 A
• Loadable up to 20 amps
Up to 20 A / 12-24 V, with 1.2 m cable 2 x 2.5 mm². For connecting coffee machines, kettles, heaters, etc. max. 20 A

81173 13,20



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

8A

Usable as standard plug without lid

Universal plug 8 A
180° angled safety universal plug 8 A with ON/OFF switch. Suitable for cigarette lighter and standard sockets. Cable connection via solder contacts.

810151 12,95



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

8A

Usable as standard plug without lid

Universal plug
Universal safety plug with strain relief and screw contacts up to 2.5 mm². 12-24 V.

8 A 81012 6,70




**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

16A

Usable as standard plug without lid

Universal plug
With force-guided strain relief 16 A/12-24 V. With screw contacts up to 2.5 mm² and fold-out support.

16 A 810121 6,95




**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

12 V

Usable as standard plug without lid

USB adapter
Angled USB adapter 12 Volt to 5 Volt USB. Output voltage 2 x 2.1 A. With power indicator.

81194 24,50



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Usable as standard plug without lid

Universal right angle plug
with function check. Integrated rider fuse 7.5 A/12-24 V, up to max. 1.5 mm², 7.5 A

81055 12,95



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Standard plug 12/24 V
max. 8 A with solder contacts, suitable for DIN sockets for connecting additional devices up to 8 A.

81175 4,40



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Standard plug 15 A
With screw contacts, for connecting all types of 15 A auxiliary devices, 12-24 V, suitable for all standard sockets to DIN EN ISO.

81138 7,80



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Adapter
Adapter for standard sockets 16 A/12/24 V. The adapter enables the operation of devices with universal plugs (Ø 21mm) in small DIN sockets (Ø 12mm).

81174 12,30



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

Power socket
Power socket with screw thread 20 A loadable with cable Ø 2.5 mm² (15 A with cable Ø 1.5 mm²). Inner Ø 21 mm, installation opening 27.8 mm. 12-24 V.

81177 9,50



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Power socket
Power socket 12-24 V with mounting plate for front installation. 20 A with a cable Ø of 2.5 mm², 15 A with a cable Ø of 1.5 mm². Inner Ø 21 mm, installation opening 27.8 mm. L 60 x W 45 mm.

81140 10,95




**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

DIN built-in standard socket
• With hinged lid
16 A with metal housing, installation opening 18 mm, internal Ø 12 mm, flat plug connections 6.3 mm.

81015 10,40



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

connection cable
Universal plug for e.g. TFT devices. 8 A with 2 m cable 2 x 0.75 mm² and hollow appliance plug 2.5 x 5.5 mm.

81189 13,75



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

Connection cable
• For DVD, SAT receiver
Universal plug 2 A with 2 m cable 2 x 0,4 mm² and hollow appliance plug 2,1 x 5,5 mm.

81188 12,90

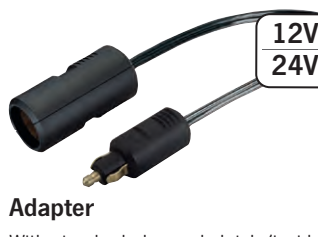


**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Power plug, max. 16 A
Clutch (inside Ø 12 mm) and cigarette lighter plug. 12/24 V, max. 16 A, cable 2 x 1.5 mm², flat cable, length 0.25 m.

81142 12,95



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

**12V
24V**

Adapter
With standard plug and clutch (inside Ø 21 mm), 12/24 V, max. 5 A, cable 2 x 0.75 mm² flat, length 0.25 m.

81192 11,10



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

Universal extension
Cable: 2 x 0.75 mm² flat cable. Length: 4.0 m. With 8 A universal safety plug & universal clutch (inside Ø 21 mm)

83519 19,95



**PRO CAR
AUTO- UND BOOTSZUBEHÖR**

Standard extension
Cable: 2 x 0.75 mm² flat cable. Length: 4.0 m. With 8 A universal safety plug & standard coupling.

83520 16,50

PRO CAR
AUTO- UND BOOTSZUBEHÖR

**12V
24V**



Surface-mounted socket with 2 USB ports

2 power sockets 12/24 V (inside Ø 21 mm) and 2 USB connections 12 V DC/5 V DC USB: 2 x 2.5 A.
Dimensions: L x W x H: 85 x 95 x 33 mm. Housing made of robust plastics.

811781 39,90

PRO CAR
AUTO- UND BOOTSZUBEHÖR



3 piece mounting box

12/24 V, max. 20 A with cable cross-section 2.5 mm², 16 A with 1.5 mm². Inside Ø of the sockets 21 mm.

81179 28,95

PRO CAR
AUTO- UND BOOTSZUBEHÖR



Power socket

Surface-mounted power socket 12/24 V, 20 A, inner Ø 21 mm, flat plug connections 6.3 mm suitable for universal plugs.

81181 11,10

PRO CAR
AUTO- UND BOOTSZUBEHÖR



Power clutch

12/24 V max. 20 A, Ø cable 2.5 mm², 16 A at 1.5 mm², with base plate for installing flying leads, inside Ø 21 mm with flat plug connection 6.3 mm.

81141 12,60

PRO CAR
AUTO- UND BOOTSZUBEHÖR



Surface-mounted socket

With cover & flat plug connection 6.3 mm, for standard and universal plugs, max. 16 A, 12/24 V, TÜV-tested and monitored, with contacts to DIN ISO 4165. 16 A.

81057 9,40

CARBEST



**12V
24V**

Twin clutch, can be angled

12/24 V, for cigarette lighter socket, can be angled in 2 directions up to 90°. max. 10 A, with fuse and LED power indicator. **81321 1,80**

CARBEST



12V

Multiple distributor

Each with 2 USB ports. 5 V, Max. 5 A, 2.1 A. 20 cm spiral cable, extendable up to approx. 1 m. With fuse and red LED power indicator. 2-fold distributor **81323 5,75**

**12V
24V**



Standard clutch

- For self installation of extension cables
- For 12 or 24 volts

For building individual extensions, max. 16 A, Ø 12 mm **810171 6,50**



① Built-in socket

With cover and flat plug connection 6.3 mm, max. 16 A, 12/24 V, TÜV-tested and monitored, in accordance with DIN EN ISO 4165. Installation opening 18 mm. 16 A. **81183 6,70**

② Waterproof socket

Waterproof DIN installation standard socket outlet with screw cap 12-24 V Installation opening: 18.4 mm. Temperature resistant: -40°C to 105°C. 16 A. **81020 26,40**

CARBEST



**12V
24V**

Battery clamps Cigarette lighter socket 12 / 24 V, with cover cap. Cable length 1.0 m. **81322 5,40**

CARBEST



**12V
24V**

Twin clutch

12/24 V, for cigarette lighter socket. 2 gr. Couplings and cover caps, cable length 2 x 1.4 m, max. 5 A, with fuse and operation indicator. **81320 2,60**

CARBEST



Universal distributor

To be placed in the cupholder. 2 x USB port, 5 V, 500 mA, 2 x universal socket. 20 cm spiral cable, max. 5 A, with fuse. 4-way LED operation indicator **81315 3,70**

PRO CAR
AUTO- UND BOOTSZUBEHÖR



**12V
24V**

Usable as standard plug without lid

Twin clutch

Connection for cigarette lighter sockets, two large clutches (inner Ø 21 mm) 12/24 V, max. 2 x 8 A. Integrated, replaceable 16 A fuse. Cable: 2 x 0.75 mm² flat cable. Length: 0.25 m. 16 A. **81193 18,20**


CARBEST



Mounting plate with 12 V socket and 50 A plug connector

Extra flat installation panel with 12V / 24V power socket and recessed 50A power connector. Incl. 6 receptacles for the following cable cross-sections: 2x 4-6mm², 2x 5-10mm², 2x 8-16mm²
Dimensions (L x W x H): 75 x 60 x 6 mm **811214 18,99**

CARBEST



Aluminum housing

USB charging plug

- With cigarette lighter plug
- USB-A and USB-C output
- Blue LED lighting

Technical data: Input: DC 12/24V. Output USB-A/QC 3.0: 5V/3A, 9V/2A, 12V/1.5A (max. 18 W). Output USB-C/PD: 5V/3A, 9V/2A, 12V/1.5A (max. 18 W) Dims.: L 64.5 x Ø 26.5 mm. **813032 7,50**

12V
24V

Combination example



Mounting frames

Front panels to mount sockets or indicators. Individually configurable with all CARBEST power sockets / USB sockets / voltmeters, hole diameter: Ø 29 mm. Dims. (L x W x H) mm

| | | | |
|----------------|---------------------|--------|------|
| 1-way | 60 x 42,5 x 5,5 mm | 811221 | 1,50 |
| 2-fold | 105 x 42,5 x 5,5 mm | 811222 | 1,90 |
| 3-way | 150 x 42,5 x 5,5 mm | 811213 | 2,50 |
| 4-way | 195 x 42,5 x 5,5 mm | 811226 | 2,90 |
| 4-way (square) | 100 x 110 x 8 mm | 811227 | 3,20 |



Surface-mounted housing

Surface-mounted housing for mounting sockets or indicators. Individually configurable with all CARBEST power sockets / USB sockets / voltmeters. Hole diameter: Ø 29 mm Dimensions (L x W x H):

| | | | |
|-------|------------------|--------|------|
| 1-way | 80 x 55 x 50 mm | 811223 | 2,60 |
| 2-way | 80 x 100 x 50 mm | 811224 | 4,50 |
| 3-way | 80 x 150 x 50 mm | 811225 | 5,90 |



Rocker switch (ON/OFF) with control lighting

With red LED control light, rocker switch for switching on and off with red control light. Load capacity: 12V - 10A/24V - 6A Hole diameter: Ø 29 mm

811217 2,90



Temperature display with probe

3-digit digital display (illuminated red), temp meter incl. temperature sensor. Reliable indication of the ambient temperature. Temperature range: -40 to 125°C. Hole diameter: Ø 29 mm

811220 13,90



LED voltmeter

3-digit digital display (illuminated red), voltmeter (6 - 28V) for digital display of the voltage applied in volts. Hole diameter: Ø 29 mm

811218 14,50



Dual LED voltmeter for vehicle and on board battery

3-digit digital display (illuminated red), dual LED voltmeter (10 - 60V) for displaying the voltage present in volts, ideal for monitoring the vehicle and auxiliary battery. Hole diameter: Ø 29 mm

811219 19,90



Power socket

For operating 12V or 24V devices, universal socket incl. protective cap. Also suitable as charging input. Load capacity: 12V-20A / 24V-10A. Hole diameter: Ø 29 mm

811210 4,20



Dual USB charging socket 1x USB-A / 1x USB-C

USB built-in socket (illuminated blue) incl. protective cap. Input: 12V / 24V, output USB-A: QC 3.0 (3.6V - 12V, max. 32W), output USB-C: QC 4.0 (5V - 20V, max. 60W). Hole diameter: Ø 29 mm

811211 19,90



LED voltmeter with integrated USB charging socket

LED voltage display incl. USB charging option, LED voltmeter with integrated USB charging socket (illuminated blue). The display can be switched on or off using an ON/OFF touch switch. Including protective rubber cap with cut out for reading the voltage, input: 12V / 24V, output USB-A: QC 3.0 (3.6V - 12V, max. 18W), hole diameter: Ø 29 mm

811212 18,50

12/24 VOLT USBPLUG-IN DOSES / INDUCTIVE CHARGING STATION

PRO CAR
AUTO- UND BOOTZUBEHÖR

① Without hinged lid
② With hinged lid

**12V
24V**

3A

USB power socket with 3 amps
Plenty of power even for power hungry USB users. 12/24V DC to 5 V thanks to integrated Voltage converter, USB: 1x3 amps. Installation dimensions Ø27,8mm. 15cm connection cable. Available with or without hinged lid.

| | | |
|----------------------|---------------|--------------|
| ① Without hinged lid | 811762 | 22,50 |
| ② With hinged lid | 811763 | 23,95 |

PRO CAR
AUTO- UND BOOTZUBEHÖR

without plate
with plate

USB double socket
12/24V, 5V, 2 x 2.5A USB, installation dimensions. Ø 27,8 mm. Approx. 10 cm connection cable. Can be mounted with or without mounting plate.

| | |
|---------------|--------------|
| 811761 | 24,60 |
|---------------|--------------|

**12V
24V**

Double USB socket
12/24 V, 5 V, 2 x 2.5 A USB with integrated voltage converter. Cable connection approx. 150 mm. Dimensions: L x W x H: 85 x 35 x 33 mm.

| | |
|---------------|--------------|
| 811821 | 23,90 |
|---------------|--------------|

CARBEST

by **SSANEL**
AUTO ELECTRONIC

Surface-mounted double socket
1 x USB-A, 1 x USB-C, 2 x 2.1 A. Illuminated. Dims.: LxWxH: 73x35x16mm.

| | |
|---------------|--------------|
| 811770 | 49,90 |
|---------------|--------------|

PRO CAR
AUTO- UND BOOTZUBEHÖR

**12V
24V**

NEW

①
②

Power USB double sockets
With integrated voltage transformer. Support the fast charging methods Power Delivery (USB-C) and Quick Charge (USB-C+A). Installation hole: Ø 28 mm, cable length: 15 cm. Without LED lighting.

| | | |
|---|---------------|--------------|
| ① Double socket 2x USB-C 2x 3 A (30W) max. | 811766 | 39,90 |
| ② Doppelsteckdose 1x USB-A / 1x USB-C Ausgang 5V, 9V, 12V, bei 24V Eingangsspannung: 15V + 20V. USB-C: 3A (30 W) max., USB-A: 2,2A (30W) max. | 811764 | 34,95 |

**12V
24V**

Ø 37 mm
26,5 mm

Compact USB-C/A built-in socket
12/24 V, output voltage: 5V, input current: 3A, charging power: 20W. Output power: 5V/3A, 9V/2.22A, 12V/1.67A. Without LED lighting. Mounting hole: Ø 25 mm, for screwing on.

| | |
|---------------|--------------|
| 811771 | 18,90 |
|---------------|--------------|

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Flip Pro Duo - 12/24 V & double USB charging socket

1x 12 V universal socket (max. 10A). Double USB charging socket with 1x USB-C, 1x USB-A with QC and PD. Protection class IPX4 with closed lids High-quality and robustly manufactured.

811802 **84,90**

Incl. mounting frame

NEW

PRO CAR
AUTO- UND BOOTZUBEHÖR

Power USB-C surface-mounted double socket outlet

2x USB-C with integrated voltage converter, Power Delivery (PD), Quick Charge (QC), without LED lighting, fastening with 2 screws. Cable length: 15 cm. Colour: Black.

811810 **28,50**

NEW

PRO CAR
AUTO- UND BOOTZUBEHÖR

Flat power USB socket
12-24 V DC/5 V DC, 3 A, integr. voltage converter, input: 8-34 V, output: 3,000 mA, cable length: 1 m, cable cross-section: 0.5 mm², output current max: 3 A, power consumpt.: < 5 mA, dims.: 42x34x15,25mm

811811 **23,40**

**12V
24V**

tigerexped
offroad . overland . equipment

①
②

Converter 100 – USB-C/USB-A charging socket with buck-boost converter
The Converttiger 100 enables the charging of powerful devices and increases the 12V input voltage to up to 20V/5A (100W max.) at the USB-C output. Inverters and power supply units become superfluous, power losses are avoided. With blue backlight display of the charging connection. Automatic switch-off ensures that the light is switched off after 20 sec. for a restful sleep during the charging process. Installation depth: 57 mm. Supplied without cover frame. You will find suitable cover frames on the following pages.

Specifications:
Input voltage: DC 9-30V, output power: 100 W, USB-A QC3.0
USB-A output: 5V/3A; 9V/2.22A; 12V/1.67A (20W Max) (QC3.0 Standard)
USB-C PD3.0 USB-C output: 5V/3A; 9V/3A; 12V/3A; 15/3A; 20V/5A (100W max)
The charging speed depends on the device to be charged and the charging cable used.

| | | |
|--|---------------|--------------|
| ① Compatible with the Inprojal 20.000 switch range | 811812 | 75,59 |
| ② Compatible with the Berker switch range | 811813 | 89,95 |

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outdoor . technologies

Induction charging surface Sub 3 Coil 15 W

NEW

- Wireless charging of smartphones
- Absolutely water-resistant (IPX6)

Installation on a surface such as wood or GRP. Self-adhesive backing. 10-30V, 2A. Power: 15W, 12V, 1.25A max. power in stand-by mode: >1,2W. Connection cable: 300mm. Dims.: LxWxH 126x85x34mm. Cut-out dims.: 108.5x67.5 mm. Protection class: IPX6.

| | |
|--------------|--------------|
| 81772 | 109,- |
|--------------|--------------|

Switch and socket series

The switch and socket inserts can be perfectly combined with the matching accessories. From USB sockets, step and awning switches to warning systems, SAT and TV accessories. For other countries, special 230V sockets are available.

Series 10000: The rocker switches and socket outlets, as well as the corresponding frame with rounded edges. Some sockets, dimmers and other built-in elements can also be integrated into the 20000 series frames using an adapter (see right). These installation elements are marked with a *.

20000 series: The rocker switches and frames are rectangular and simple.

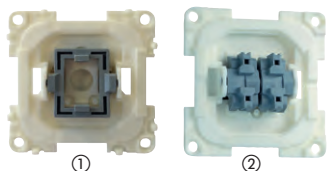
Adapter frame from series 10000 to series 20000



For adapting built-in boxes from the 10000 series to the 20000 series. Suitable installation boxes are marked with *.

| | | | |
|------------|---------------|----------------|------|
| Slate grey | 821671 | <i>821671L</i> | 1,70 |
| Black | 821672 | <i>821672L</i> | 1,70 |

Switch inserts



Rocker for switch 10000+20000

① **Changeover switch / circuit breaker**

| | |
|----------------|-------------|
| 821684 | 7,50 |
| <i>821684L</i> | |

② **Series switch for 2 circuits.**

| | |
|----------------|-------------|
| 821685 | 9,30 |
| <i>821685L</i> | |

Rocker switches 10000



Series 10000 for changeover switches

| | | |
|------------|----------------|-------------|
| Light grey | 82073 | 2,20 |
| | <i>82073L</i> | |
| Brown | 820730 | 2,20 |
| | <i>820730L</i> | |
| Slate grey | 820732 | 2,20 |
| | <i>820732L</i> | |
| Silver | 820735 | 4,50 |
| | <i>820735L</i> | |
| White | 820736 | 2,20 |
| | <i>820736L</i> | |

Rocker switches 20000



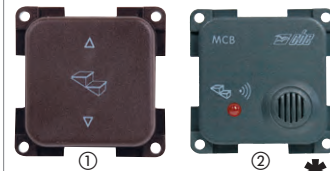
Series 20000 for changeover switches

| | | |
|--------------|----------------|-------------|
| ③ Slate grey | 82168 | 1,90 |
| | <i>82168L</i> | |
| ③ Black | 821686 | 1,75 |
| | <i>821686L</i> | |

Double rocker 20000 for series switches

| | | |
|--------------|----------------|-------------|
| ④ Slate grey | 821680 | 2,90 |
| | <i>821680L</i> | |
| ④ Black | 821687 | 2,85 |
| | <i>821687L</i> | |

Step elements 10000



① **Rocker switch**

for electric steps

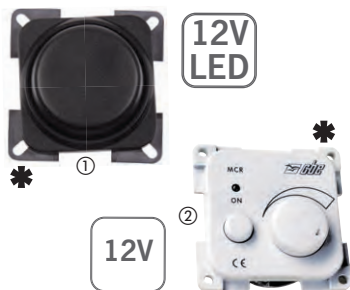
| | | |
|------------|--------------|--------------|
| Brown | 82081 | 22,50 |
| Slate grey | 82082 | 23,20 |

② **Step alarm sensor**

gives an acoustic and visual signal if the step is still extended when the ignition is switched on.

| | | |
|------------|---------------|--------------|
| Slate grey | 820881 | 21,90 |
|------------|---------------|--------------|

12 Volt dimmer 10000



- Warm atmosphere
- For lighting that makes you feel good

① **LED dimmer 70 W** for LED.

LED dimmer with cover, rotating button, frame and contact box.

| | | |
|------------|---------------|--------------|
| Slate grey | 811840 | 127,- |
| Black | 811841 | 127,- |

② **Dimmer 32 W** for incandescent and halogen lamps up to 32 W.

| | | |
|--------------|---------------|--------------|
| Light grey | 83318 | 45,40 |
| Brown | 833180 | 44,90 |
| Schiefergrau | 83229 | 35,10 |

Rocker switch 20000

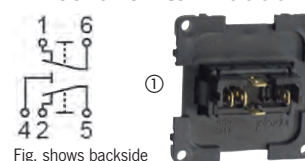
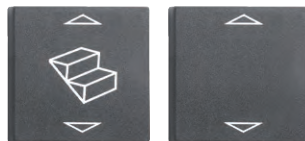


Fig. shows backside



① **Short-stroke pushbutton 20000**

| | |
|----------------|--------------|
| 821683 | 14,10 |
| <i>821683L</i> | |

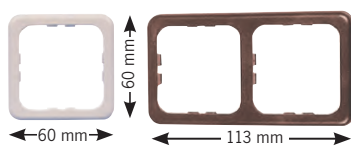
Surface rocker 20000 for steps

| | | |
|------------|----------------|-------------|
| Slate grey | 821681 | 2,90 |
| | <i>821681L</i> | |
| Black | 821688 | 2,75 |
| | <i>821688L</i> | |

20000 surface rocker, e. g. for awning or lifting bed.

| | | |
|------------|----------------|-------------|
| Slate grey | 821682 | 2,90 |
| | <i>821682L</i> | |
| Black | 821689 | 2,90 |
| | <i>821689L</i> | |

Cover frame 10000



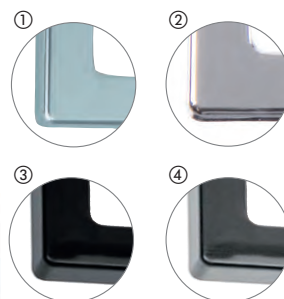
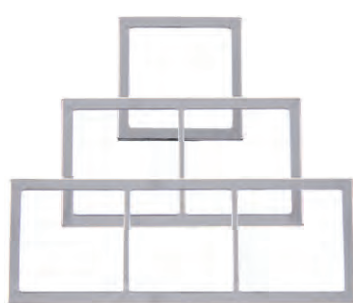
Single frame 2 pieces

| | | |
|------------|-----------------|-------------|
| Black | 820753 | 2,90 |
| | <i>820753L</i> | |
| Light grey | 820751 | 2,50 |
| | <i>820751L</i> | |
| Brown | 8207501 | 2,50 |
| | <i>8207501L</i> | |
| Slate grey | 820752 | 2,50 |
| | <i>820752L</i> | |
| Silver | 8207551 | 9,10 |
| | <i>820755</i> | |
| White | 820756 | 1,95 |
| | <i>820756L</i> | |

Double frame 1 piece

| | | |
|------------|----------------|-------------|
| Light grey | 82074 | 2,95 |
| | <i>82074L</i> | |
| Brown | 820740 | 2,95 |
| | <i>820740L</i> | |
| Slate grey | 820742 | 2,95 |
| | <i>820742L</i> | |
| Silver | 820745 | 7,95 |
| | <i>820745L</i> | |
| White | 820746 | 2,95 |
| | <i>820746L</i> | |

Cover frame 20000



① **Cover frame matte silver**

| | | |
|-------|----------------|-------------|
| 1-way | 821610 | 3,95 |
| | <i>821610L</i> | |
| 2-way | 821620 | 6,80 |
| | <i>821620L</i> | |
| 3-way | 821630 | 9,60 |
| | <i>821630L</i> | |

② **Cover frame high gloss chrome**

| | | |
|-------|----------------|--------------|
| 1-way | 821611 | 4,10 |
| | <i>821611L</i> | |
| 2-way | 821621 | 7,10 |
| | <i>821621L</i> | |
| 3-way | 821631 | 10,30 |
| | <i>821631L</i> | |

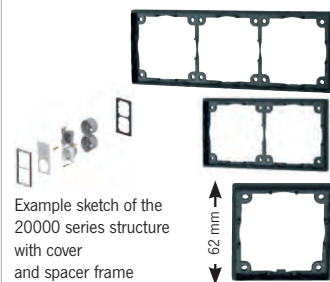
③ **Cover frame glossy black**

| | | |
|-------|----------------|-------------|
| 1-way | 821613 | 3,95 |
| | <i>821613L</i> | |
| 2-way | 821623 | 6,80 |
| | <i>821623L</i> | |
| 3-way | 821633 | 9,60 |
| | <i>821633L</i> | |

④ **Cover frame glossy slate grey**

| | | |
|-------|----------------|-------------|
| 1-way | 821612 | 3,95 |
| | <i>821612L</i> | |
| 2-way | 821622 | 6,80 |
| | <i>821622L</i> | |
| 3-way | 821632 | 9,60 |
| | <i>821632L</i> | |

Distance frame 20000



Example sketch of the 20000 series structure with cover and spacer frame

Spacer frame 12mm see www.reimo.com

3 mm spacer frame 20000

| | | |
|--|---------------|-------------|
| Installation height 3 mm. Slate grey. | | |
| 1-way | 82164 | 2,10 |
| | <i>82164L</i> | |
| 2-way | 82165 | 3,50 |
| | <i>82165L</i> | |
| 3-way | 82166 | 4,99 |
| | <i>82166L</i> | |

Installation height 3 mm. **Black.**

| | | |
|-------|----------------|-------------|
| 1-way | 821640 | 2,10 |
| | <i>821640L</i> | |
| 2-way | 821650 | 3,50 |
| | <i>821650L</i> | |
| 3-way | 821660 | 4,99 |
| | <i>821660L</i> | |

230 V sockets 10000



① **Built-in socket with hinged lid**

| | | |
|------------|----------------|--------------|
| Light grey | 82070 | 9,95 |
| | <i>82070L</i> | |
| Brown | 820700 | 9,95 |
| | <i>820700L</i> | |
| Slate grey | 820702 | 9,80 |
| | <i>820702L</i> | |
| Silver | 820705 | 12,95 |
| | <i>820705L</i> | |
| White | 820706 | 9,80 |
| | <i>820706L</i> | |

With child safety

| | | |
|------------|---------------|--------------|
| Light grey | 82071 | 10,90 |
| Brown | 820710 | 10,90 |

② **Socket without hinged cover**

| | | |
|------------|----------------|-------------|
| Slate grey | 820761 | 5,10 |
| | <i>820761L</i> | |
| Black | 820766 | 5,10 |
| | <i>820766L</i> | |

Hinged cover as spare part for built-in sockets, with springs.

| | | |
|------------|---------------|-------------|
| Light grey | 82077 | 2,80 |
| Slate grey | 820772 | 2,80 |

Protection against accidental contact is mandatory for 230 V sockets (see below)

12 V sockets 10000



① **Standard socket with hinged cover**

| | | |
|------------|----------------|--------------|
| Brown | 810180 | 14,95 |
| | <i>810180L</i> | |
| Light grey | 81018 | 14,95 |
| | <i>81018L</i> | |
| White | 810186 | 14,95 |
| | <i>810186L</i> | |

② **Cigarette lighter socket with hinged lid**

| | | |
|------------|----------------|--------------|
| Brown | 810080 | 14,95 |
| | <i>810080L</i> | |
| Light grey | 81008 | 14,95 |
| | <i>81008L</i> | |

③ **Standard socket without hinged cover, up to 10 A load**

| | | |
|------------|----------------|--------------|
| Slate grey | 820763 | 11,90 |
| | <i>820763L</i> | |
| Black | 820769 | 11,90 |
| | <i>820769L</i> | |

230 V sockets 20000



① **Socket without frame with child safety lock.**

| | | |
|------------|----------------|-------------|
| Slate grey | 820765 | 6,95 |
| | <i>820765L</i> | |
| Black | 820767 | 6,95 |
| | <i>820767L</i> | |

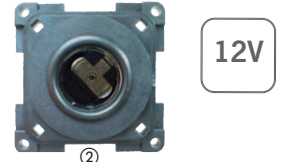
③ **Frame with hinged lid**

| | | |
|------------|----------------|-------------|
| Slate grey | 821670 | 2,70 |
| | <i>821670L</i> | |
| Black | 821673 | 2,70 |
| | <i>821673L</i> | |

④ **Frame without cover**

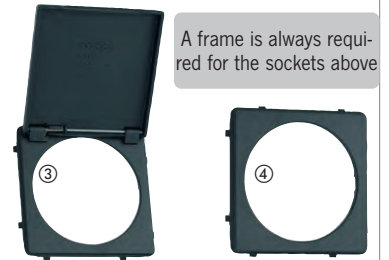
| | | |
|------------|----------------|------------|
| Slate grey | 82167 | 2,- |
| | <i>82167L</i> | |
| Black | 821674 | 2,- |
| | <i>821674L</i> | |

12 V sockets 20000



② **Cigarette lighter socket without frame up to 10 A load**

| | | |
|------------|----------------|-------------|
| Slate grey | 820764 | 9,90 |
| | <i>820764L</i> | |
| Black | 820770 | 9,90 |
| | <i>820770L</i> | |



A frame is always required for the sockets above

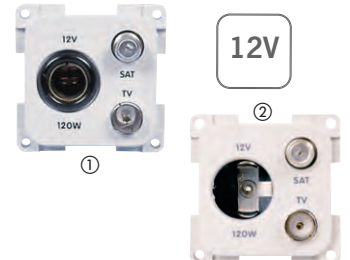
12 V sockets with antenna connection 10000

① **12 V & antenna socket**
Standard socket+TV+Sat.

| | | |
|------------|---------------|--------------|
| Light grey | 49109 | 14,90 |
| Brown | 491090 | 14,90 |
| White | 491091 | 14,95 |
| Slate grey | 491092 | 14,95 |

② **12 V & antenna socket**
Cigarette lighter socket+TV+Sat.

| | | |
|------------|---------------|--------------|
| Brown | 491100 | 15,90 |
| Slate grey | 491102 | 14,90 |



Country specific 230 V sockets 10000 / 20000



① **Socket for Belgium/France with center protective contact and child safety. 250 V/16 A, 2 poles + earth.**
Installation depth: 28 mm

| | | |
|------------|---------------|--------------|
| Light grey | 82046 | 11,10 |
| Slate grey | 820461 | 11,10 |
| Black | 820462 | 11,10 |

② **British standard 250 V/13 A socket, 2 poles + earth. Installation depth: 20 mm**

| | | |
|------------|---------------|--------------|
| Light grey | 82080 | 11,50 |
| Slate grey | 820801 | 11,50 |
| Black | 820802 | 11,50 |

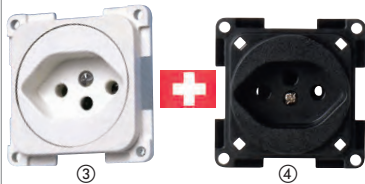
Socket Swiss standard 250V/10A, 2poles+earth. Depth 31mm

③ **Series 10000**

| | | |
|------------|---------------|--------------|
| Light grey | 820473 | 21,90 |
|------------|---------------|--------------|

④ **20000 series**
Frame 82167 / 821674 mandatory!!!

| | | |
|------------|---------------|--------------|
| Slate grey | 820471 | 17,90 |
| Black | 820472 | 21,90 |



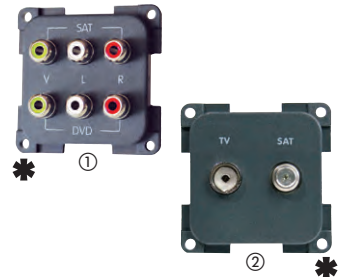
SAT / and audio sockets 10000

① **Cinch**
6 cinch connections for picture and sound transmission, e.g. from receiver to DVD/TV.

| | | |
|------------|--------------|--------------|
| Slate grey | 82083 | 12,40 |
| Brown | 82084 | 12,40 |

② **Antenna socket with connection for coaxial and F connectors.**

| | | |
|------------|--------------|--------------|
| Slate grey | 82142 | 10,10 |
| Brown | 82143 | 10,10 |



USB sockets 10000 (connection to 12 V)



① **USB single socket 5 V, 3 A.**

| | | |
|------------|----------------|--------------|
| Slate grey | 811827 | 38,90 |
| | <i>811827L</i> | |
| Black | 811826 | 38,90 |
| | <i>811826L</i> | |

② **USB double socket 5 V/2 x 2.5 A.**

| | | |
|------------|----------------|--------------|
| Slate grey | 820762 | 41,95 |
| | <i>820762L</i> | |
| Black | 820768 | 44,90 |
| | <i>820768L</i> | |

③ **USB double charging socket 5 V/3.6 A.**
1 x USB-A and 1 x USB-C.

| | | |
|-------|---------------|--------------|
| Black | 811765 | 44,90 |
|-------|---------------|--------------|

④ **USB double socket 5 V/1 x 1.0 A and 1 x 2.1 A**

| | | |
|------------|---------------|--------------|
| Slate grey | 802091 | 29,95 |
|------------|---------------|--------------|

Contact protection boxes 10000 / 20000

① **1 cable entry with strain relief**
2 piece

| | |
|---------------|-------------|
| 820780 | 4,99 |
| <i>82078</i> | |

② **2 cable entries. Installation depth 45 mm.**

| | | |
|---------|----------------|-------------|
| 1 piece | 820782 | 2,75 |
| | <i>820782L</i> | |

③ **1 cable entry. Installation depth 35 mm.**

| | | |
|---------|----------------|-------------|
| 1 piece | 820781 | 2,45 |
| | <i>820781L</i> | |





Berker Integro series

The Berker Integro switch range is used in many motorhomes and caravans. Berker's innovative products offer convenience, reliability and, above all, safety. That naturally makes for a simple and uncomplicated installation.

The installation program

Berker INTEGRO meets the highest demands: modern design, quick installation, integration of a wide range of controls. In addition, the colors and perfect shape offer a successful blend of functionality and design.



USB-A/C charging socket

12 V / 3 A.
Matte anthracite **836140** 75,90
Polar white **83615** 75,90
Matte black **83616** 75,90

Glossed chrome



Matte anthracite



Rotary dimmer

Shiny chrome **83190** 130,-



Socket 12V + SAT

max. 10A / with F double socket.
Matte anthracite **83160** 29,82
83160L
Polar white **831601** 29,90
shiny *831601L*



Socket 12V+TV

max. 10A / with IEC jack (male), back-side F-technology connection.
Matte anthracite **83161** 28,80
83161L



HDMI socket

with HDMI double jack type A.
Matte anthracite **83162** 49,60
83162L



USB/audio jack

3.5mm jack double jack and USB double jack.
Matte anthracite **83164** 54,20
83164L



USB charging socket

12 V / 3 A.
Matte brown **831632** 48,70



USB charging sockets, 12V

2x USB-A (2.5 A)
Anthracite matt **83218** 63,34
Glossy grey **83219** 63,50
Shiny polar white **83222** 63,50
Matte black **83223** 63,50
Matte brown **83217** 63,50
1x USB-A + 1x USB-C, with QC+PD
Anthracite matt **832010** 66,50
Schwarz matt **832011** 71,40



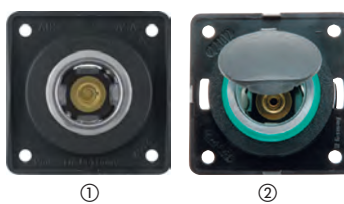
Standard socket 12 V

with flat plug connection 6.3 mm. 12-24 V, 16 A. Suitable contact protection sockets: 83148, 83166, 83168, 83169.
Matte anthracite **83144** 16,95



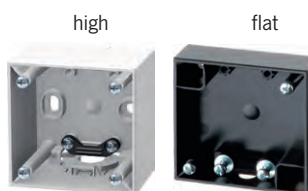
230 V sockets – DE / CH / DK / GB

Suitable contact protection boxes: 83148, 83166, 83168.
① 230 V Schuko socket with screw clamps.
Black matte **83225** 7,20
Matte polar white **831433** 6,80
Matte grey **83143** 6,80
Matte anthracite **831431** 6,80
Sockets DE / CH / DK / GB
② Switzerland, matte grey **83198** 15,40
③ Great Britain, matte grey **83199** 13,95
④ Denmark, matte anthracite **831441** 15,90



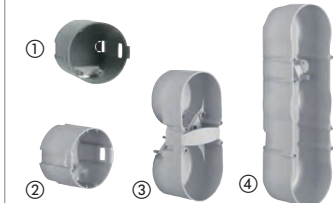
Power socket 12 V

with flat plug connection 6.3 mm. 12 - 24 V, 20 A max.
① without lid, matte black **83608** 15,20
② with lid, matte anthracite **83145** 20,60



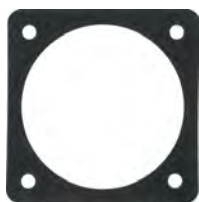
AP housing

1-way with tension relief
Version high: 59, 5 x 59, 5 x 41 mm.
Anthracite glänzend **83202** 10,90
Polar white glänzend **83203** 10,90
Brown glänzend **83201** 10,90
Flat version: 59, 5 x 59, 5 x 16 mm.
Anthracite glänzend **83204** 4,90
Polar white glänzend **83208** 4,90



Contact protection boxes

Contact protection box with tension relief. For protection against electric shock with 230 volt wiring.
① 1-way, ø 45 mm, depth: 35.5 mm. **83148** 2,80
② single, ø 49 mm, depth: 38 mm. **83166** 2,85
③ 2-gang, ø 49 mm, depth: 38 mm. **83168** 7,70
④ 3-way, ø 49 mm, depth: 38 mm. **83169** 10,90



IP44 seal

For SCHUKO sockets and rocker switches/buttons. Not for switches/buttons with split rocker.
83617 2,40



SAT socket

SAT socket with F double socket
Matte anthracite **83142** 22,50



Contact protection box optional

Control switch 12 V

2 poles, 5A, with LED indicator.
Suitable contact protection boxes:
83168, 83148, 83165.

| | | |
|-------------------|---------------|--------------|
| Shiny polar white | 831422 | 26,90 |
| Matte anthracite | 831421 | 26,90 |
| Matte chrome | 831423 | 31,90 |



Contact protection box mandatory
83148, 83165

Rocker switch 230 V

(max. 250 V) closer, 10 A, screw terminals. (e.g. for dimmer LIS 101)

Silk matte granite black

| | | |
|-------------------|---------------|--------------|
| | 831534 | 15,90 |
| Shiny polar white | 831532 | 11,80 |
| Matte anthracite | 83153 | 10,80 |
| Matte chrome | 831531 | 19,90 |
| Shiny chrome | 831533 | 19,90 |



Contact protection box mandatory
83165, 83168



Contact protection box mandatory
83165

Switch 12 / 230 V with screw clamps

Off and toggle switch

Silk matte granite black

| | | |
|-------------------|---------------|--------------|
| | 831406 | 12,70 |
| Shiny polar white | 831403 | 11,20 |
| Matte anthracite | 83140 | 11,20 |
| Matte chrome | 831401 | 19,20 |
| Shiny chrome | 831404 | 20,40 |

Series switch (double switch)

Silk matte granite black

| | | |
|-------------------|---------------|--------------|
| | 831415 | 20,40 |
| Shiny polar white | 831413 | 15,30 |
| Matte anthracite | 83141 | 15,30 |
| Matte chrome | 831411 | 23,80 |
| Shiny chrome | 831414 | 22,95 |



Mandatory contact protection box
83168, 83148, 83165

Control rocker switch

230 V, red indicator light.

| | | |
|--------------|---------------|--------------|
| Matte chrome | 831425 | 20,40 |
|--------------|---------------|--------------|



Step rocker switch

with 4.8 mm flat plug connection. 12 V, 15 A or: 24 V, 7.5 A. 4 contacts. 2 x opener or closer.

| | | |
|---------------------------|---------------|--------------|
| Matte anthracite | 83146 | 19,90 |
| Matte chrome | 831461 | 22,95 |
| Shiny chrome (5 contacts) | 831463 | 40,50 |



Awning rocker switch

for opening or closing. With 4.8 mm flat plug connection. 12 V, 15 A or: 24 V, 7.5 A.

| | | |
|------------------|---------------|--------------|
| Matte anthracite | 83147 | 21,50 |
| Matte chrome | 831471 | 35,40 |



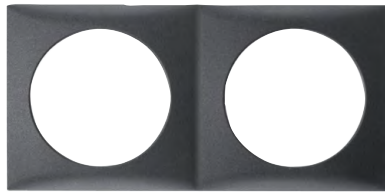
Frame with hinged lid

Matte granite black

| | | |
|------------------|---------------|--------------|
| | 831496 | 12,40 |
| Shiny polar | 831493 | 7,20 |
| Matte anthracite | 83149 | 7,20 |
| Matte chrome | 831491 | 16,40 |
| Shiny chrome | 831494 | 15,20 |



Shiny chrome



Matte anthracite

Flow frame series

1-way frame (LxWxH 59.5 x 59.5 x 9 mm)

| | | |
|-------------------|---------------|--------------|
| Shiny polar white | 831503 | 2,90 |
| Matte anthracite | 83150 | 2,96 |
| Matte chrome | 831501 | 11,70 |
| Shiny chrome | 831504 | 11,70 |

2-way frame (LxWxH 119 x 59.5 x 9 mm)

| | | |
|---------------------------------|---------------|--------------|
| vertical or horizontal mounting | | |
| Shiny polar white | 831513 | 4,20 |
| Matte anthracite | 83151 | 4,50 |
| Matte chrome | 831511 | 18,40 |
| Shiny chrome | 831514 | 18,40 |

3-way frame (LxWxH 178.5 x 59.5 x 9 mm) vertical or horizontal mounting

| | | |
|-------------------|---------------|--------------|
| Shiny polar white | 831523 | 9,20 |
| Matte anthracite | 83152 | 10,30 |
| Matte chrome | 831521 | 22,95 |
| Shiny chrome | 831524 | 26,50 |



Matte chrome

Contact protection boxes

Contact protection box with tension relief. For protection against electric shock with 230 volt wiring.

- ① 1-way, flat, ø 45 mm, D: 22 mm.
83165 **2,30**
- ② 1-way, ø 58 mm, depth: 35 mm.
83167 **2,90**



Pure frame series

1-way frame (LxWxH 59.5 x 59.5 x 9 mm)

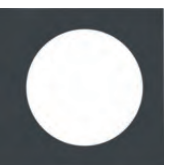
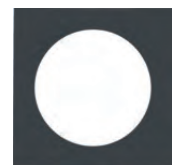
| | | |
|---------------------|--------------|--------------|
| Shiny chrome | 83251 | 11,40 |
| Matte granite black | 83252 | 11,40 |

2-way frame (LxWxH 119 x 59.5 x 9 mm)

| | | |
|---------------------------------|--------------|--------------|
| vertical or horizontal mounting | | |
| Shiny chrome | 83253 | 15,60 |
| Matte granite black | 83254 | 15,60 |

3-way frame (LxWxH 178.5 x 59.5 x 9 mm)

| | | |
|---------------------------------|--------------|--------------|
| vertical or horizontal mounting | | |
| Shiny chrome | 83256 | 28,30 |
| Matte granite black | 83257 | 16,70 |



SWITCHES / SOCKETS / CABLES

NEW

12V
24V



CARBEST

Aluminum switch panel with 2 rocker switches (12/24V)

2-way switch (ON/OFF) with red LED indicator light (only lights up in ON mode). Black coated mounting frame. Scope of delivery: Switch panel with 2 rocker switches, 4x fastening screws, sticker set with various switch symbols for labeling the rocker switches. Load capacity: 12V-20 A / 24V-10 A. Dims. aluminum plate: app. 70x70 mm.
811209 9,40



12V signal switch (25 A)
With green indicator light (on/off). Up to 25 A load! Mounting hole Ø 24 mm. Ideal for switching large loads (e.g. coffee machine etc.)
80310 9,40



Nereide Light switch 2S with dimmer function

- 2 digital switches
- Integrated dimmer function
- Made of anodized aluminium
- Chic design

8-16V, 2 outputs, max. 5 A. Dimensions: LxWxD approx. 60x60x42 mm.
Black 820810 104,-
Silber 820811 127,-



Surface-mounted Schuko sockets

Single socket with hollow base. Max. 250 V / 16 A. Glossy white.
83209 11,40

Double socket with hollow base. Max. 250 V / 16 A. Glossy white.
83210 16,60

3-way socket outlet with hollow base. Max. 250V/16 A. Glossy white.
83212 21,20

Base plates for surface-mounted Schuko sockets, white (not shown)

| | | |
|-------|--------------|--------------|
| 1-way | 83214 | 3,10 |
| 2-way | 83215 | 6,75 |
| 3-way | 83216 | 10,90 |

NEW

LED touch dimmer switch 12V/30W

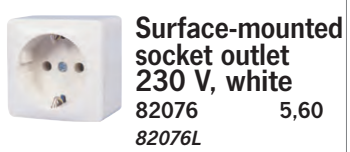
Bore diameter: 19 mm. Short push-button action for on/off, long push-button action for dimming (stepless, with memory function). Material: Stainless steel. 4 connection cables. IP65.
811208 17,90



Dimmer module LIS 101
For 12 V systems (10.5 to 15 V) current max. 10 A/standby current max. 15 mA, dimensions: W x H x D: 68 x 23 x 57 mm, weight: 40 g. A separate push-button is required for activation.
833181 60,90



Built-in chest button
NC contact 1 pole, 2 A, 250 V, plastic, black, with additional housing
834651 13,90
White, with additional housing
834652 14,30



Surface-mounted socket outlet 230 V, white
82076 5,60
82076L

Damp-proof junction box
82079 3,20
82079L

VEHICLE CABLE / SPECIAL CABLE

Fine-core KFZ FlexCables



Length: 5 m
Color: Red, e.g. positive cable

| | | |
|---------------------------------|----------------|--------------|
| 1,5 mm ² | 810415 | 5,20 |
| | GP* 1,04 / 1 m | |
| 2,5 mm ² | 810515 | 8,- |
| | GP* 1,60 / 1 m | |
| 4,0 mm ² | 810605 | 11,40 |
| | GP* 2,28 / 1 m | |
| 6,0 mm ² | 810615 | 29,50 |
| | GP* 5,90 / 1 m | |
| 10,0 mm ² | 810735 | 17,80 |
| | GP* 3,56 / 1 m | |
| Black, e.g. earth cable | | |
| 1,5 mm ² | 810425 | 6,50 |
| | GP* 1,30 / 1 m | |
| 2,5 mm ² | 810525 | 10,90 |
| | GP* 2,18 / 1 m | |
| 4,0 mm ² | 810715 | 14,30 |
| | GP* 2,86 / 1 m | |
| 10,0 mm ² | 810725 | 27,90 |
| | GP* 5,58 / 1 m | |
| Grey, e.g. control cable | | |
| 1,5 mm ² | 810705 | 23,- |
| | GP* 4,60 / 1 m | |

Length: 10 m
Color: Red, e.g. positive cable

| | | |
|-----------------------------------|----------------|--------------|
| 1,5 mm ² | 810416 | 8,50 |
| | GP* 0,85 / 1 m | |
| 2,5 mm ² | 810516 | 15,- |
| | GP* 1,50 / 1 m | |
| Black, e.g. earth cable | | |
| 1,5 mm ² | 810426 | 8,70 |
| | GP* 0,87 / 1 m | |
| 2,5 mm ² | 810526 | 19,90 |
| | GP* 1,99 / 1 m | |
| Brown, e.g. earth cable | | |
| 1,5 mm ² | 810406 | 9,10 |
| | GP* 0,91 / 1 m | |
| 2,5 mm ² | 810506 | 16,70 |
| | GP* 1,67 / 1 m | |
| Blue, e.g. control line D+ | | |
| 1,5 mm ² | 810436 | 12,95 |
| | GP* 1,29 / 1 m | |

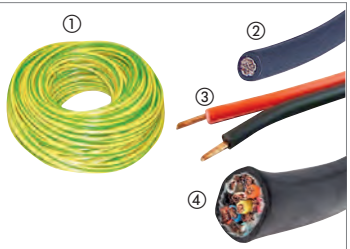
① Automotive cable

| | | |
|-------------------------|-----------------|--------------|
| 16 mm ² /2 m | 810915 | 15,30 |
| | GP* 7,65 / 1 m | |
| 16 mm ² /5 m | 810916 | 30,90 |
| | GP* 6,18 / 1 m | |
| 25 mm ² /2 m | 810925 | 22,95 |
| | GP* 11,47 / 1 m | |
| 25 mm ² /5 m | 810926 | 55,50 |
| | GP* 11,10 / 1 m | |
| 35 mm ² /2 m | 810931 | 27,95 |
| | GP* 13,97 / 1 m | |
| 35 mm ² /5 m | 810932 | 77,50 |
| | GP* 15,50 / 1 m | |

② Flex cable H01N2D

Acc. to DIN VDE 0282, rated voltage 100 V. Color: black.

| | | |
|-------------------------|-----------------|--------------|
| 16 mm ² /2 m | 810965 | 22,30 |
| | GP* 11,15 / 1 m | |
| 16 mm ² /5 m | 810966 | 49,90 |
| | GP* 9,98 / 1 m | |
| 25 mm ² /2 m | 810975 | 29,70 |
| | GP* 14,85 / 1 m | |
| 25 mm ² /5 m | 810976 | 74,40 |
| | GP* 14,88 / 1 m | |
| 35 mm ² /2 m | 810981 | 41,80 |
| | GP* 20,90 / 1 m | |
| 35 mm ² /5 m | 810982 | 104,- |
| | GP* 20,80 / 1 m | |
| 50 mm ² /2 m | 810991 | 50,- |
| | GP* 25,00 / 1 m | |
| 50 mm ² /5 m | 810992 | 125,- |
| | GP* 25,00 / 1 m | |



Special cable

① **Earthing cable, 10 m 4.0 mm².** For the ground connection of input sockets to the consumers.
820619 33,90
GP* 3,39 / 1 m

② **Special automotive cable, 10m 2.5 mm².** With particularly thick sheathing. This reduces chafing.
85167 7,50
GP* 0,75 / 1 m

③ **Speaker cable, 10 m 2 x 0,75 mm²**
810629 11,10
GP* 1,11 / 1 m

④ **Cable 13-pin, 10m** For wiring trailers 8 x 1.5 and 5 x 2.5 mm².
821369 209,-
GP* 20,90 / 1 m



NEW

double flat plug
10 pieces in a set. For cables 1.5-2.5 mm². For 6.3 mm plug-in housing. Color blue **810203** 6,80



NEW

Branch connector set
10 pieces in a set. 5x red, for cable 0.5-1.5 mm² 5x blue for cable 1.5-2.5 mm² **810200** 2,10



NEW

Heat-shrink tubing set
180 pieces in a set. 6 different sizes each 30 pieces. Assorted colors. Hose length: 45 mm. Includes practical storage box. **810225** 10,50




NEW

Ring cable lugs
10 pieces in a set, pre-insulated

For cable 0.5-1.5 mm² Color red **810250** 1,95

For cable 1.5-2.5 mm² Color blue **810251** 2,10

For cable 2.5-6.0 mm² Color yellow **810252** 2,30




Wire end sleeves
No splicing of the cable ends.

For cable 1.5 mm²
25 pieces **82062** 17,70
GP* 0,71 / 1 Stk. **82062L**

For cable 10 mm²
10 pieces **810431** 3,50
GP* 0,35 / 1 Stk. **810431L**


For cable 16 mm²
10 piece **810432** 4,60
GP* 0,46 / 1 Stk. **810432L**



Compression cable lug, 90°
With eyelet for screwing.

For cable 10 mm²
M8, 2 Piece **812754** 5,50

For cable 16 mm²
M8, 2 Piece **812764** 6,50



Compression cable lug, straight
With eyelet for screwing.


For cable 10 mm²
M6, 2 pieces **812703** 3,95
812703L
M8, 2 pieces **812704** 4,95
812704L
M10, 2 pieces **812705** 4,70
812705L
M12, 2 pieces **812706** 4,70
812706L

For cable 16 mm²
M6, 2 pieces **812713** 5,95
812713L
M8, 5 pieces **812717** 7,80
M12, 2 pieces **812716** 6,20
812716L

For cable 25 mm²
M6, 2 pieces **812723** 8,10
812723L
M8, 5 pieces **812727** 9,90

For 35 mm cable²
M8, 5 Piece **812737** 14,90
M10, 2 pieces **812735** 8,10
812735L
M12, 2 pieces **812736** 7,50
812736L

For cable 50 mm²
M8, 2 pieces **812744** 11,20
812744L
M10, 2 pieces **812745** 11,95
812745L
M12, 2 pieces **812746** 12,30



Automotive flat receptacle and flat receptacle tongue
The blade terminal and sleeve form a secure cable connection with the blade terminal housing and are ideal for wiring in the vehicle interior.

① **Sleeve, 1 Piece**
For cables 0.5-1.0 mm²
Color red **810371** 2,10
For cable 1.5-2.5 mm²
Color red **810372** 2,10
For cables 4-6 mm²
Color red **810373** 2,10


② **Tongue, 1 piece each**
For cables 0.5-1.0 mm²
Color red **810375** 0,80
For cable 1.5-2.5 mm²
Color red **810376** 0,80
For cables 4-6 mm²
Color red **810377** 0,80



NEW

③ **Sleeve + tongue 40 pieces in a set (20x sleeve + 20x tongue)**

For cables 0.5-1.5mm²
Color red **810201** 6,80
For cable 1.5-2.5mm²
Color blue **810202** 7,50



Automotive flat plug housing
For secure, fixed cable connections in the Vehicle interior. Clutch for holding blade receptacles and plugs for blade receptacles. Material polyamide. Optional with 2, 3, 4, 6 or 8 plug contacts. Please order spade connectors separately. (tongue and sleeve are a complete clutch). Delivery 1 piece each.

| | | |
|-------------------------|---------------|------|
| ① 2 contacts for tongue | 810351 | 3,-- |
| ② 2 contacts for sleeve | 810350 | 3,-- |
| ③ 3 contacts for tongue | 810367 | 3,30 |
| ④ 3 contacts for sleeve | 810368 | 3,30 |
| ⑤ 4 contacts for tongue | 810365 | 4,-- |
| ⑥ 4 contacts for sleeve | 810366 | 4,-- |
| ⑦ 6 contacts for tongue | 810363 | 4,70 |
| ⑧ 6 contacts for sleeve | 810364 | 4,70 |
| ⑨ 8 contacts for tongue | 810361 | 5,80 |
| ⑩ 8 contacts for sleeve | 810362 | 5,80 |



NEW

Automotive flat plug housing
10 pieces in a set. 5x sleeve + 5x tongue. 2 contacts for tongue. Color white. **810352** 7,90

12/24 VOLT POWER DISTRIBUTION

LED failure control indicator



Power distributor with fuse holder and LED failure indicator

- For up to 6 circuits
- LED failure indicator
- Integrated negative rail
- Transparent plastics cover
- Includes pictogram sticker for labeling

Compact fuse and distribution box for 6 resp. 12 circuits. A red LED light immediately signals if a fuse is blown. Load capacity per circuit: max. 30A. Total load capacity: max. 100 A. Voltage: max. 32 V. (Supplied without fuses)

- ① **6 circuits**
Dimensions (LxWxH): 87.8 x 88 x 36.5 mm
810220 24,95
- ② **12 Circuits**
Dimensions (LxWxH): 165 x 85 x 39 mm,
810221 39,95



Extra strong fuse module for FKS fuses

Switch and distribution box SVB 13 12 V cut-off relay 30 A, battery monitor D+ simulator, 2 outputs, load fused with 20 A, connection for charger. If the battery voltage of the 2nd battery is >13.7 V, the first battery is also charged. Dimensions: 130 x 130 x 50 mm.

80090 135,-

FKS replacement fuses

10-piece. 2 x 3 A; 2 x 7.5 A; 3 x 10 A; 3 x 15 A

81048 7,60



FKS replacement fuses

80-piece. Incl. Pliers tool and storage box. 10x 5A; 10x 7.5A; 20x 10A; 10x 15A; 10x 20A; 10x 25A; 10x 30A.

810230 7,20



Fuse holder for FKS fuses

① Simple fuse holder for FKS fuses, with mounting plate, screw, protective cap.
810210 2,95

② Fuse holder, single +10 A for FKS fuses, for flying installation.
81090 3,20



Module for the Inprojal series

Fuse module with 4 fuses, suitable for our PRESTO switch series. Slate grey
81053 23,95



Fuse holder for FKS fuses 10-30 A

Housing with PVC cover cap. Includes 30 cm cable (4mm²). Splash-proof.

810215 2,30

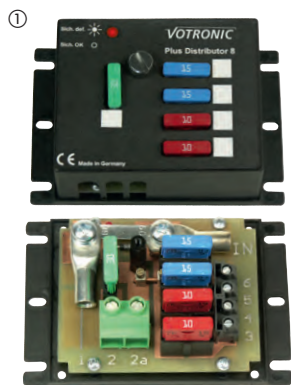
Consumer protection

ensures that your connected devices are adequately protected. Pay attention to make sure that the power of the fuse is matched to the power consumption.

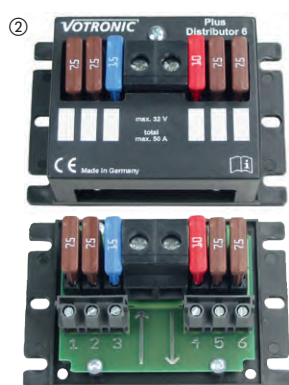
If the fuse is too high, it will not trip in time in an emergency and would therefore be ineffective. A fuse that is too weak, on the other hand, may hold for one load, but if several loads are connected, it will blow.

Use different, individually fused circuits to install several devices. For example, secure lights and sockets individually. This prevents you from being left in the dark if the socket fuse fails.

The refrigerator, heating, air conditioning and water pump should also be protected by different circuits. However, make sure that not only the fuse rating is sufficient, but also that the cable cross-sections laid are large enough to prevent cable overheating. Observe the manufacturer's instructions.



Interior view



Interior view

Extra strong fuse modules for FKS fuses

- With 6 fuses
- Labeling fields on the housing cover

① **Plus Distributor 8** 6-way extra strong plus distributor for protecting 6 circuits with particularly powerful power consumers. 1 x input for 16 mm², max. 96 A. 6 x outputs of different strengths: 1 x 16 mm² up to max. 60 A with LED indicator light. 1 x 6 mm² up to max. 30 A, 4 x 4 mm² up to max. 20 A. 12 V/24 V. Incl. Fuses 2 x 10 A, 2 x 15 A, 1 x 30 A. Dimensions: L 105 x W 71 x H 36 mm. With lid.

810493 62,80

② **Plus Distributor 6** Plus distributor 6-way for protecting 6 circuits. 1x input and 1x outlet for extension for 16 mm each², max 50 A. 6x output up to 4 mm² with max. 20 A each, 12 V / 24 V. Incl. Fuses 4x 7.5 A, 1x 10 A and 1x 15 A. Dimensions: L90 x W 60 x H37 mm. With lid.

810492 39,20

12 V automatic circuit breaker

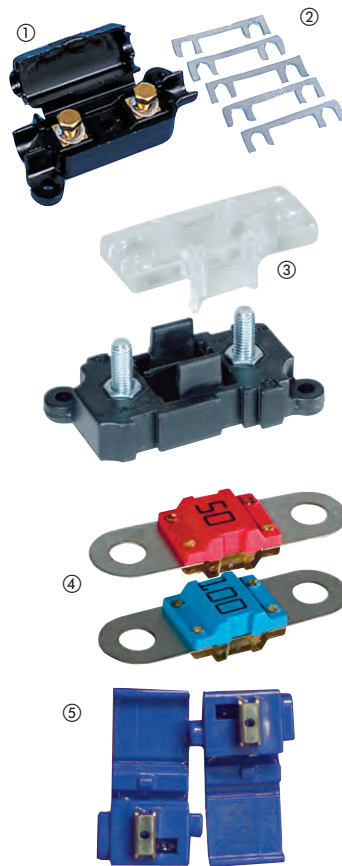
Can be used for 1 V and 23 V, snap-in mounting, for wall thicknesses of 1-3 mm.

| | | |
|------|-------|-------|
| 4 A | 81081 | 18,60 |
| 6 A | 81082 | 18,64 |
| 8 A | 81083 | 18,60 |
| 10 A | 81084 | 18,60 |
| 12 A | 81085 | 21,30 |
| 16 A | 81086 | 21,30 |



Special fuses for heavy consumers

- ① **Back-up fuse holder** is connected directly behind the battery to prevent dangerous cable fires.
- | | |
|--------|------|
| 81027 | 7,50 |
| 81027L | |
- ② **Pre-fuse for the above fuse holder 5 pcs.**
- | | | |
|------|--------|------|
| 30 A | 81136 | 5,20 |
| | 81136L | |
| 50 A | 81028 | 4,50 |
| | 81028L | |
- ③ **Fuse holder for BF1** with transparent cover. For fuses BF1. Cable connection to threaded bolt M 6 with eyelets.
- | | |
|-------|-------|
| 81262 | 23,40 |
|-------|-------|
- ④ **Fuse BF1**
- | | | |
|-------------|--------|-------|
| 30 A orange | 812613 | 6,25 |
| 50 A red | 812614 | 6,25 |
| 80 A white | 812615 | 6,99 |
| 100 A blue | 812616 | 12,80 |
- ⑤ **Branch connection 2 pieces**
- | | | |
|------------|-------|------|
| Blue 2,5mm | 81037 | 1,70 |
|------------|-------|------|



- ⑥ **High load fuse holder** for protecting large loads. 12 V and 24 V suitable. With M8 thread on both sides (without safety catch) and cover.
- | | |
|-------|-------|
| 81263 | 20,95 |
|-------|-------|
- ⑦ **Fuse for high load fuse holder**
- | | | |
|-------|-------|-------|
| 100 A | 81264 | 10,20 |
| 125 A | 81265 | 10,20 |
| 150 A | 81266 | 10,20 |
| 200 A | 81267 | 10,20 |
| 250 A | 81268 | 10,20 |
- ⑧ **Maxi fuse holder** ideal as back-up fuse up to a maximum of 100 A. incl. 2 plug-in contacts for cable cross-section 6 - 10 mm².
- | | |
|-------|-------|
| 81260 | 29,95 |
|-------|-------|
- ⑨ **Maxi fuse**
- | | | |
|-------|--------|------|
| 50 A | 812601 | 6,60 |
| 100 A | 812602 | 5,40 |
- ⑩ **Fuse holder for strip** fuses up to 250 A. Can be accommodated in the ground cable of the supply battery. M10 cable connections
- | | |
|-------|-------|
| 81261 | 34,90 |
|-------|-------|
- ⑪ **Strip fuse** for above fuse holder, per pcs.
- | | | |
|-------|--------|------|
| 100 A | 812611 | 4,50 |
| 160 A | 812612 | 4,50 |



Ground distributor with cover

- For large electrical systems with heavy consumers
- Lid included
- With 12 ground connections
- Particularly suitable for vehicles with GRP structure

① Minus distributor 12

1 x input and 1 x outlet for extension for 16 mm each², max 50 A. 12 x output up to 4 mm² with max. 20 A each, 12 V / 24 V.
Dims: L 90 x W 60 x H 37 mm.

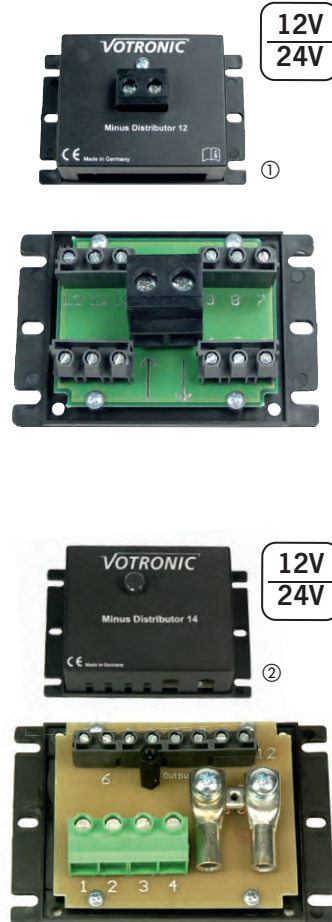
| | |
|--------|-------|
| 810391 | 29,50 |
|--------|-------|

② Minus distributor 14

12-way ground distributor. With solid input for the negative line of the battery via a cable up to 16 mm², loadable up to max. 96 A. An additional output with the same values is available for possible expansion. There are 12 outputs for the consumers. 4 x output up to 6 mm² with max. 32 A each and 8 x output up to 4 mm² with max. 20 A each, 12 V / 24 V.

Dims: L 105 x W 71 x H 36 mm.

| | |
|--------|-------|
| 810392 | 49,95 |
|--------|-------|



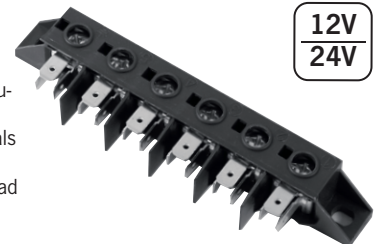
| |
|-----|
| 12V |
| 24V |

| |
|-----|
| 12V |
| 24V |

Distribution block for large cable diameters

For example used as a battery distributor for EBL 208. Also ideal as plus or ground distributor. 7 separate terminals for 6 mm² cable cross-section, each with 3 outlets in 6.3 mm flat plug. Load capacity per terminal 57 A.

| | |
|-------|------|
| 81199 | 9,80 |
|-------|------|

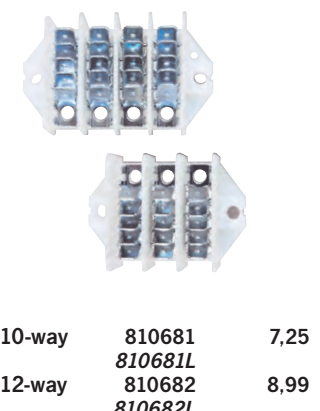


| |
|-----|
| 12V |
| 24V |

Distribution blocks

Distribution board: ideal aid for large 12 / 24 V electrical distributions, each compartment with 4 connection lugs for 6.3 mm AMP plugs. Plastics.

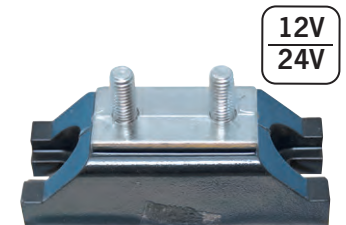
| | | | | | |
|-------|---------|-------|--------|---------|------|
| 1-way | 810651 | 4,10 | | | |
| | 810651L | | | | |
| 3-way | 81065 | 5,10 | | | |
| | 81065L | | | | |
| 4-way | 81066 | 10,30 | | | |
| | 81066L | | | | |
| 6-way | 81067 | 14,50 | 10-way | 810681 | 7,25 |
| | 81067L | | | 810681L | |
| 8-way | 81068 | 12,-- | 12-way | 810682 | 8,99 |
| | 81068L | | | 810682L | |



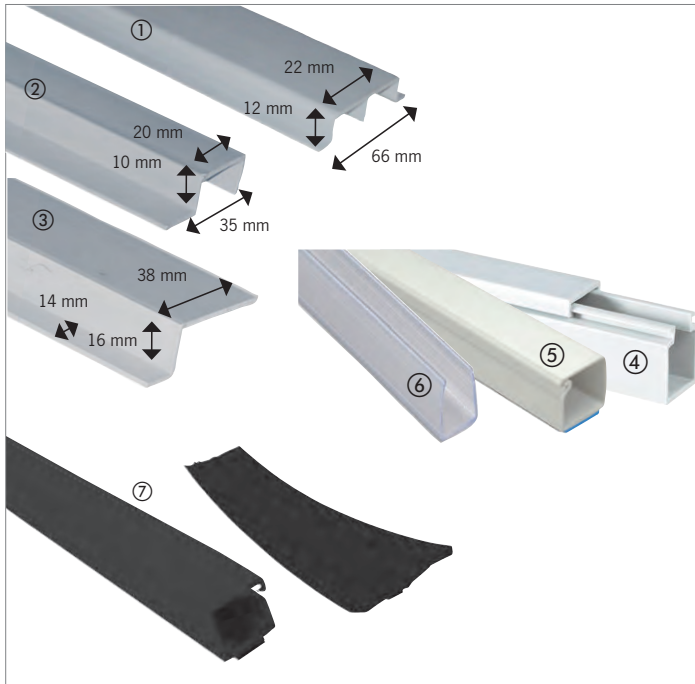
Professional ground distribution

Distributor block 2-way, 2 threaded bolts M6 with bridge.

| | |
|-------|-------|
| 81252 | 19,50 |
|-------|-------|



| |
|-----|
| 12V |
| 24V |



Cover profiles and cable ducts

- For laying cables and hoses
- Made of rigid PVC

- ① **Double chamber cover profile** 2 chambers (ideal for separating 12/230 volts), light grey, 2 m rod **81095** **7,90**
- ② **Flat cover profile** 1 chamber, light grey, 2 m rod **810951** **6,30**
- ③ **Corner cover profile** with 1 chamber. For corner veneering. Light grey, 2 m rod. GP* 2,95 / 1 m **810952** **5,90**
- ④ **2 m cable duct** 15 x 15 mm removable cover. Screw on mounting (perforated on the back), white GP* 3,50 / 1 m **810955** **7,-**
- ⑤ **2 m cable duct** self-adhesive 7 x 12 mm. Lid with film hinge, white GP* 7,25 / 1 m **810954** **14,50**
- ⑥ **2 m cable duct** 6 x 7 mm. Self-adhesive backside. Transparent GP* 3,55 / 1 m **810953** **7,10**
- ⑦ **Roll cable duct** foldable, self-adhesive, color black.

| | | | | |
|-----------|------------|----------------|---------------|--------------|
| 2 meters | 15 x 15 mm | GP* 3,20 / 1 m | 810944 | 6,40 |
| | 20 x 20 mm | GP* 4,20 / 1 m | 810945 | 8,40 |
| | 35 x 20 mm | GP* 4,65 / 1 m | 810946 | 9,30 |
| 20 meters | 12 x 7 mm | GP* 2,50 / 1 m | 810956 | 49,95 |
| | 15 x 15 mm | GP* 2,45 / 1 m | 810957 | 48,95 |
| | 20 x 20 mm | GP* 3,65 / 1 m | 810958 | 72,95 |
| | 35 x 20 mm | GP* 3,95 / 1 m | 810959 | 78,95 |



12x

CARBEST

50 A high-current battery connector set

2 pole plug connector that can be used as a plug and socket. Current max. 50A. incl. 12 receptacles for cable cross-sections: 4x 4-6mm², 4x 5-10mm², 4x 8-16mm², dims. (L x W x H): 48 x 35 x 15.9 mm

Scope of delivery: 2 x connectors (set) and 12 x crimp contacts.
850920 **7,95**



CARBEST

- ① **Protective cap for 50 A plug** **811216** **1,99**
- ② **Protective cover for 50 A connectors** **811215** **2,90**



CARBEST

Adhesive base for cable ties

Plastic base, back with 3M adhesive tape. For cable ties up to a width of 3.5 mm. Color: black. Dimensions: 20x20 mm, 50 pcs.

Cable ties not included. **810800** **4,99**



CARBEST

Cable tie, 200x3.5 mm

For quick attachment of hoses or cables. Plastic, assorted colors. 100 pcs. **810780** **3,90**





LED status display

①

②

10 m cable

LEAB
mobile energy

230V power supply of the latest generation

① **MelfBox**

- 230 V power supply for light commercial and leisure vehicles with integrated start prevention
- Robust plastics housing with LED status display
- Screwless mounting
- IP55 protection class

Installation is screwless and can be carried out completely from the outside. Rated voltage: 230V/50Hz, max. current 16 A. Dimensions LxWxD: 62x67x56 mm, installation diameter: 55 mm. **81447 182,-**


② **10 m cable for MelfBox** CEE plug/feed plug. Reverse polarity protected due to the ergonomic design. 10 m connection cable (3x 2.5 mm²). **81429 194,-**



230 V RCD installation kit

the complete set with all small parts for easy installation of the 230 V system in the vehicle. Scope of delivery: 1 surface-mounted socket white, 1 built-in socket light grey w. frame, 1 touch protection socket, 1 built-in socket with RCD, 1 CEE input socket white, 3 m cable 3 x 1.5 mm², 2 m earthing cable grey/green 4mm², 2 eyelets and ferrules.

82000 182,-



①

②

Surface-mounted circuit breaker (230 V system)

① **Residual current circuit breaker** with a trigger current of 30 mA and 2 13 A circuit breakers. As soon as a residual current flows in the 230 V system, the power is switched off. Low switching current makes sense for motorhome vacations with children. Grey surface-mounted housing, Dims.: W85 x H130 x D58 + 15 mm **82055 83,20**

② **Surface-mounted circuit breaker**, 2 poles, 13 A. Inexpensive alternative without RCD. Current interruption in the event of a short circuit, grey housing Dims.: W85 x H130 x D58 + 15 mm **82056 30,60**

Multifunction external socket outlet

With USB-A and USB-C input, 230 V, 2x antenna/TV, Dims.: 130x145 mm Cover white (RAL 9010) **820405 95,95**

Multifunction ext. socket outlet for 12 V / 230 V

2 x TV-Sat. Magnetic closure to prevent unintentional opening. Dims.: 130 x 145 mm.

| | | |
|------------|---------------|--------------|
| White | 820392 | 63,50 |
| Light gray | 820394 | 63,50 |
| Grey | 820393 | 63,50 |
| Black | 820395 | 63,50 |

Replacement lid

| | | |
|------------|---------------|--------------|
| White | 65233D | 22,40 |
| Light gray | 65234D | 22,40 |
| Grey | 65235D | 22,40 |
| Black | 65232D | 22,40 |

Multifunction external socket outlet

For 12 V/230 V, antenna/TV Sat, dims.: 100 x 100 mm. With lid. Silver gray **820171 29,-**
Spare lid gray (not shown) **820176 9,70**

Awning socket 230 V

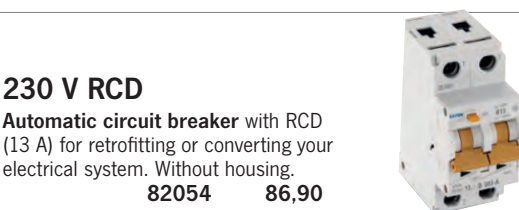
Color: White. With lid. **82038 17,70**

Empty socket (flat version)

With closed back panel and lid with magnetic catch. Dims.: WxH 130x145 mm, gray **820382 24,60**

Empty socket (deep version)


Deep version with closed rear panel. Incl. Foam rubber seal. Without lid. Dims.: WxHxD 130x145x45 mm, Grey **820303 20,-**



230 V RCD

Automatic circuit breaker with RCD (13 A) for retrofitting or converting your electrical system. Without housing. **82054 86,90**

HIGH LIGHT



Built-in circuit breaker (230 V system)

Built-in housing with RCD The 2-pole circuit breaker (13 A) protects against overloads, short circuits and electrical accidents. Grid disconnection occurs at a residual current of 30 mA. TÜV/GS tested. Housing: Aluminum front panel, grey, features: indicator light for operational readiness, clamping rail for protective conductor and potential equalization with tension relief. Dimensions: W x H x D 130 x 140 x 60 mm. Installation opening L 106 x W 115 mm. **82050 134,-**

i RCD is personal protection! If there is faulty wiring or insulation damage in the vehicle, the full mains voltage of 230 V may be applied to the body. Touching the vehicle body will then lead to dangerous electric shocks. The RCD disconnects the grid connection as soon as a minimal residual current flows.

CEE INPUT SOCKETS / ACCESSORIES

CEE feed sockets

- Elegant, sturdy housing
- Magnetic lock to prevent unintentional opening
- Available in 4 colors

CEE feed socket with magnetic catch. So that the lid stays closed and does not rattle even when driving in strong winds. 120 x 135 mm, installation pot round Ø 95 mm with hinged lid.

Input sockets

| | | |
|-------------------------|----------------|--------------|
| Input socket White | 820374 | 31,90 |
| | <i>820374L</i> | |
| Input socket Black | 820375 | 31,90 |
| | <i>820375L</i> | |
| Input socket Grey | 820376 | 31,90 |
| | <i>820376L</i> | |
| Light grey input socket | 820378 | 31,90 |
| | <i>820378L</i> | |

Spare lid

| | | |
|----------------------|---------------|--------------|
| Spare lid White | 65233D | 22,40 |
| Spare lid Black | 65232D | 22,40 |
| Spare lid Grey | 65235D | 22,40 |
| Spare lid Light grey | 65234D | 22,40 |



①



②



③

CARBEST

CEERectangular input socket

① **CEE input socket** rectangular with sealing and hinged cover, plastic. Dimensions: 70 x 135 x 65 mm.

| | | |
|-------|---------------|--------------|
| White | 82140 | 16,95 |
| Black | 821400 | 16,95 |

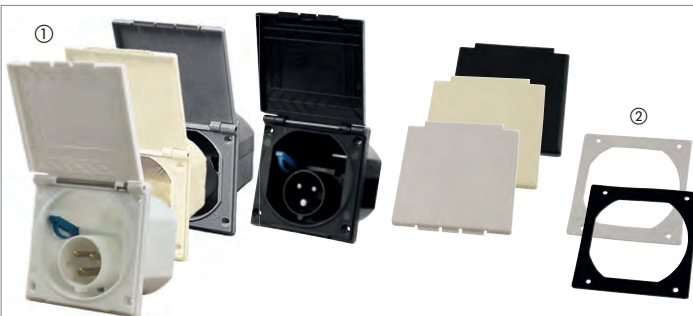
② **Rubber sealing** for rectangular CEE socket. Dimensions: 70 x 135 x 65 mm.

| | | |
|-------|---------------|-------------|
| White | 821401 | 2,50 |
| Black | 821404 | 2,50 |

③ **Rectangular spare lid**

| | | |
|-------|---------------|-------------|
| Black | 821402 | 7,50 |
| White | 821403 | 7,50 |

①



②

CEE input sockets + spare lids square

① **CEE input socket** square with seal and hinged cover. (Built-in pot round) Dimensions: 105 x 105 mm.

| | | |
|------------------------------------|----------------|--------------|
| CEE socket, white | 82149 | 12,95 |
| Spare lid for 82149, White | 821493 | 6,- |
| CEE socket, black | 821490 | 12,95 |
| Spare lid for 821490, Black | 821492 | 6,- |
| CEE socket, beige | 820116 | 16,70 |
| | <i>820116L</i> | |
| Spare lid for 820116, beige | 820146 | 10,10 |
| CEE socket, anthracite | 82011 | 19,95 |
| | <i>82011L</i> | |

② **Rubber sealing** for square CEE socket. Dimensions: 105 x 105 mm.

| | | |
|-------|---------------|-------------|
| White | 821491 | 2,50 |
| Black | 821494 | 2,50 |

NEW

CEE built-in socket

With sealing and hinged lid. Lid and housing close flush with each other. Dimensions: Ø 143mm, installation depth: 100 mm, installation dimension 20 mm. Protection class: IP44. Color matte black.

| | |
|---------------|--------------|
| 820132 | 29,90 |
|---------------|--------------|



CEE built-in socket

230 V / 16 A. Plastic housing with hinged screw lid. Also suitable for boats. Dimensions: Ø installation: 55 mm. Ø housing: 85 mm, installation depth: 110 mm, installation dimension 20 mm. Color silver

| | |
|---------------|--------------|
| 820131 | 97,95 |
|---------------|--------------|

CARBEST

CEE surface-mounted feed socket

Ideal for concealed installation in the engine compartment (e.g. Volkswagen Transporter 5) with lid 3-pin 230 V / 16 A. IP44. **82008** **13,90**



Overvoltage protection OVP01

Protects against damage caused by overvoltage in the 230 V mains. Protection against overvoltage at the campsite (up to 2.000 watts consumer load). Disconnects from the grid in 10 milliseconds. Restart as soon as normal values are available. Incl. 1 m adapter cable, KG plug, KG jack. U-Off > 265 V. Max: 10 A. Dimensions: H 58 mm x W 148 mm x D 95 mm. Weight: 200 g.

| | |
|--------------|--------------|
| 82059 | 149,- |
|--------------|--------------|



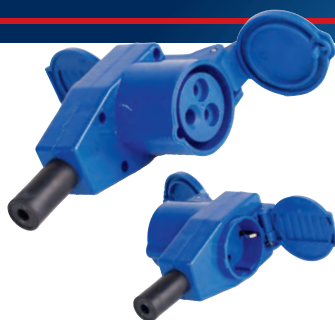
Numbers in italic = retailer information for loose goods in packaging units



CEE angle plug

For a kink-free connection to the power column or socket. 200-250V, 16A. IP44.

820302 6,95



CEE angle coupling

CEE 17 European coupling with integrated Schuko socket and hinged lid, suitable for CEE input sockets. 200-250V, 16A. IP44.

82030 7,95



CEE coupling

Suitable for connection to CEE input sockets. 200-250V, 16A. IP44.

82032 4,95



CEE plug

Suitable for CEE connection socket on campsites and CEE couplings. 200-250V, 16A. IP44.

82031 5,20



Adapter CEE/Schuko

CEE adapter with cover. 200-250V, 16A. IP44.

82007 9,50



2-fold distributor

CEE plug/2-way CEE distribution socket with hinged lid. 200-250V, 16A. IP44.

82301 13,95



Adapter Schuko/CEE

CEE plug / Schuko coupling with lid. 200-250V, 16A. IP44.

82044 15,95



Plug GB

to CEE coupling, H=7RN-F cable 3 x 2,5 mm². Approx. 20 A.

0,4 m 821543 8,30
1,5 m 821546 8,90



CEE Safebox

To protect against moisture. With lock, L 365 mm, Ø 100 mm

820432 9,95

Fig. shows
1,5 m cable



Adapter Schuko / Angle

Schuko plug/CEE angle coupling with additional Schuko socket. Prevents cable kinking. SB-Pack. H07 RN-F 3 x 2,5 mm². 200-250V, 16A. IP44.

1,5 m* 82020 15,50
25 m* 820201 84,95
H07 RN-F 3 x 1,5 mm². (for export or home use only). 200-250V, 16A. IP44.
82025 12,99



Adapter CEE/Schuko

CEE plug/Schuko rubber coupling H07RN-F 3 x 2,5 mm². 200-250V, 16A. IP44.

1,5 m 82022 12,95
0,4 m 820221 9,95
H07 RN-F 3 x 1,5 mm². 200-250V, 16A. IP44. (for export or home use only)
0,4 m 820261 8,95



Adapter Schuko/CEE

Schuko plug/CEE coupling, H07RN-F 3 x 2,5 mm². 200-250V, 16A. IP44.

0,4 m* 820211 12,95
1,5 m* 82021 16,95
4,0 m* 820212 19,95
25 m* 820213 79,95
H07 RN-F 3 x 1,5 mm². 200-250V, 16A. IP44. (for export or home use only)
0,4 m 8202110 7,90



CEE adapter cable CH

Adapter cable H=7RN-F 3 x 2,5 mm² with CEE plug and coupling (CH). CEE plug: 16A/250V, coupling 10A/250V. 10A glass fuse in encapsulated fuse holder to IP44. Length: 1,5 m

821547 46,90



CEE adapter cable CH

Adapter cable H=7RN-F 3 x 2,5 mm² with plug (CH) and CEE coupling. Plug (CH): 10A/250V, CEE coupling 16A/250V. 10A glass fuse in encapsulated fuse holder to IP44. Length: 1,5 m

821548 43,90



Professional CEE cable reel for many applications

① **CEE cable drum** 3 pole CEE plug (on the drum) and CEE coupler (on the short end). Campsite approval up to 25 m. 16 A, H07 RN-F 3 x 2,5 mm². 25 m **820481 99,-**

② **CEE cable reel** H07 RN-F 3 x 2,5 mm². 2 Schuko / 1 CEE socket outlet, thermal circuit breaker. 25 m **82027 119,-**

③ **CEE cable drum** 3 pole CEE plug (on the drum) and CEE angle coupling and Schuko coupling (on the short end). Campsite approval up to 25 m. 16 A, H07 RN-F 3 x 2,5 mm². 25 m **820483 109,-**



Automatic cable drum

Cable drum for wall mounting. With 1 + 15 m cable and CEE plug. Ideal for mounting in the garage or carport. With thermal fuse. Ø approx. 32 cm, W approx. 12 cm. 3 x 2,5 mm² H07RN-F. Max. 16 A. 15 m **82211 239,-**



CEE plug/angle coupling

With additional Schuko socket. 3 x 2,5 mm²
 1,5 m **82036 21,95**
 15 m **820362 54,95**
 25 m **820361 85,95**
 With additional Schuko socket. 3 x 1,5 mm² (for export or home use only)
 30 m **822041 44,90**



CEE connection cable

CEE plug/coupling, 3 x 2,5 mm², L 1,5 m. **82035 16,95**



CEE extension cable

Neoprene rubber cable. Transport bag included. Suitable for outdoor use. Incl. carrying bag
 H07RN-F, 3 x 2,5 mm²
 10 m **82018 59,95**
 25 m **820181 89,95**
 H07RN-F, 3 x 1,5 mm² (only for export or home use)
 10 m **82024 29,95**
 25 m **820242 57,95**
 40 m (without bag) **820244 69,90**



59,95

Socket strip

3-way socket strip with three Schuko sockets and cover caps, 10 m connection cable + CEE plug. Residual current circuit breaker 0,03 A + double circuit breaker 10 A. In plastic housing with hanging device. 2 clamps Ø 21 mm for clipping onto tent poles. 3 x 1,5 mm² (only for export or home use) 10 m **82210 59,95**



Socket strip

3-way socket strip with three Schuko sockets and cover caps, 10 m connection cable with CEE plug. Plastic housing. H07 RN-F 3 x 1,5 mm². (for export or home use only)
 1,5 m **82209 11,95**
 5 m **822091 17,95**



SET

CARBEST

Cable set

Neoprene rubber cable H07RN-F, 3 x 2,5 mm², 25 m. Including hand cable reel for rolling up the extension cable of max. 35 m and convenient carrying bag. Size: Ø 40 cm, width: 14 cm, self-service pack.

820200 94,95



World travel plug set

Suitable for North and South America, Northern and Southern Europe, Africa, Asia, Great Britain and Hong Kong. The 4 plugs can be plugged into each other for transportation. Weight: approx. 150 g.

820402 6,70



CARBEST

Cable drum with 4 sockets

Rubber cable with Schuko plug and 4 Schuko sockets with lids. For indoor use. Self-service package, splash-proof. H05 RR-F 3 x 1,5 mm² (only for export or home use) 25 m

820451 69,95



CARBEST

Cable drum with 4 sockets

Rubber cable with Schuko plug and 4 Schuko sockets with lids. For indoor use. Self-service pack, splash-proof. H05 RR-F 3 x 1,5 mm² (only for export or home use) 7,5 m

82153 13,45



CARBEST

Hand cable drum

for rolling up the extension cable of max. 35 m, cable 2,5 mm²

82009 11,95



CARBEST

Cable transport bag

Convenient transport of cables. Suitable e.g. for hand cable drum (Art.-No.: 82009). Size: Ø 40 cm, width: 14 cm, self-service pack.

820292 9,95



CARBEST

Schuko distributor plug

① 2-way socket outlet with cover lids 82201 6,40

② 3-way socket outlet with cover lids with 1,5 m connection cable. H07 RN-F 3 x 2,5 mm².

82202 10,95



CARBEST

Plug / Coupling

① Schuko rubber plug Self-service pack. 82033 2,95

② Schuko rubber coupling Self-service pack. 82034 4,30



CARBEST

5 socket strip

Extension distributor Schuko/Schuko plug to socket strip with hinged covers. For indoor use. With 2,5 m cable, H05 RR-F 3 x 1,5 mm². (for export or home use only)

82151 14,90



CARBEST

Schuko Safebox

to protect against moisture. Box without lock, L 210 x Ø 70 mm.

820431 3,95



CARBEST

Cable tie with handle

for bundling, carrying and stowing, can be used again and again. Suitable e.g. for 25 m cable (H07 RN-F 3G 2.5) or e.g. for 40 m cable (H07 RN-F 3G 1.5). Self-service packaging.

820091 4,95



CARBEST

Schuko distributor with 1,5m cable

Extension distributor Schuko/Schuko plug to double Schuko socket. With 1,5 m cable and 2 lids. H07 RN-F 3 x 2,5 mm².

82006 5,60

12 VOLT SMD / COB LED BULB

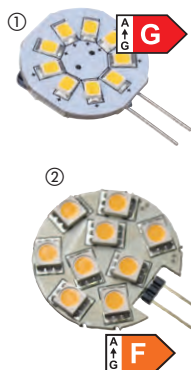


12V SMD LED technology

- SMD LED's for very bright warm white light (min. 3.000 K)
- Up to 90% electricity savings compared to incandescent lamps)
- Up to 5 times the service life of incandescent lamps (25.000 hours)
- Insensitive to voltage peaks (10 - 30 volts)
- Intended for use in motorhomes with fluctuating 12V voltage

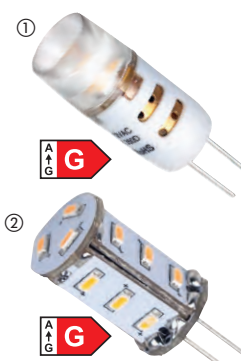
LED flat circuit board with side pins

- ① 9 x SMD, 1,5 watt, 120 lumen, angle 120°, Ø 25 x 8 mm, base G4, 3.000K, dimmable **830326 5,90**
- ② 9 x SMD, 1,5 watt, 150 lumen, angle 120°, Ø 27 x 8 mm, base G4, 3.000K, dimmable **830327 7,90**



Pin-base LED's

- ① 4 x SMD, 1,5 Watt, 60 lumen, angle 120°, base G4, Ø 11,2 x H 23,5 mm, not dimmable. Warm white 3.000K. **830320 5,95**
- ③ 15 x SMD, 1 watt, 82 lumen, angle 360°, Ø 12 x H 22 mm, G4 base, dimmable. Warm white 3.000K. **830322 5,90**



Cold light mirror, not dimmable

- ① MR 11 - 9 x SMD, 1,5 watts, 120 lumens, aluminum, angle 120°, Ø 34,5 x H 39 mm, GU4 base. **830336 8,90**



12V COB LED technology of the latest generation

- Very high light yield per square centimeter
- Fewer components per LED chip
- Reduced heat generation
- Minimal loss of light, increased scattering angle
- Very bright warm white light (approx. 3.000 K)
- No more lens-like stems required



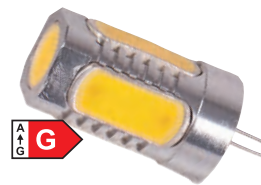
G4 COB bulb

1 x COB LED, 12 V, 1,5 W, 100 lumen, G4 base, COB bulb in silicone sheath, 3.000 K, non-dimmable, IP20, angle 220°, dimensions: Ø 10 x 22 mm. **830329 7,90**



G4 COB bulb

1 x COB LED, 12 V, 2 watts, 200 lumen, G4 base, COB bulb in silicone sheath, 3.000 K, non-dimmable, IP20, angle 360°, Ø 10 x 30 mm. **830331 9,90**

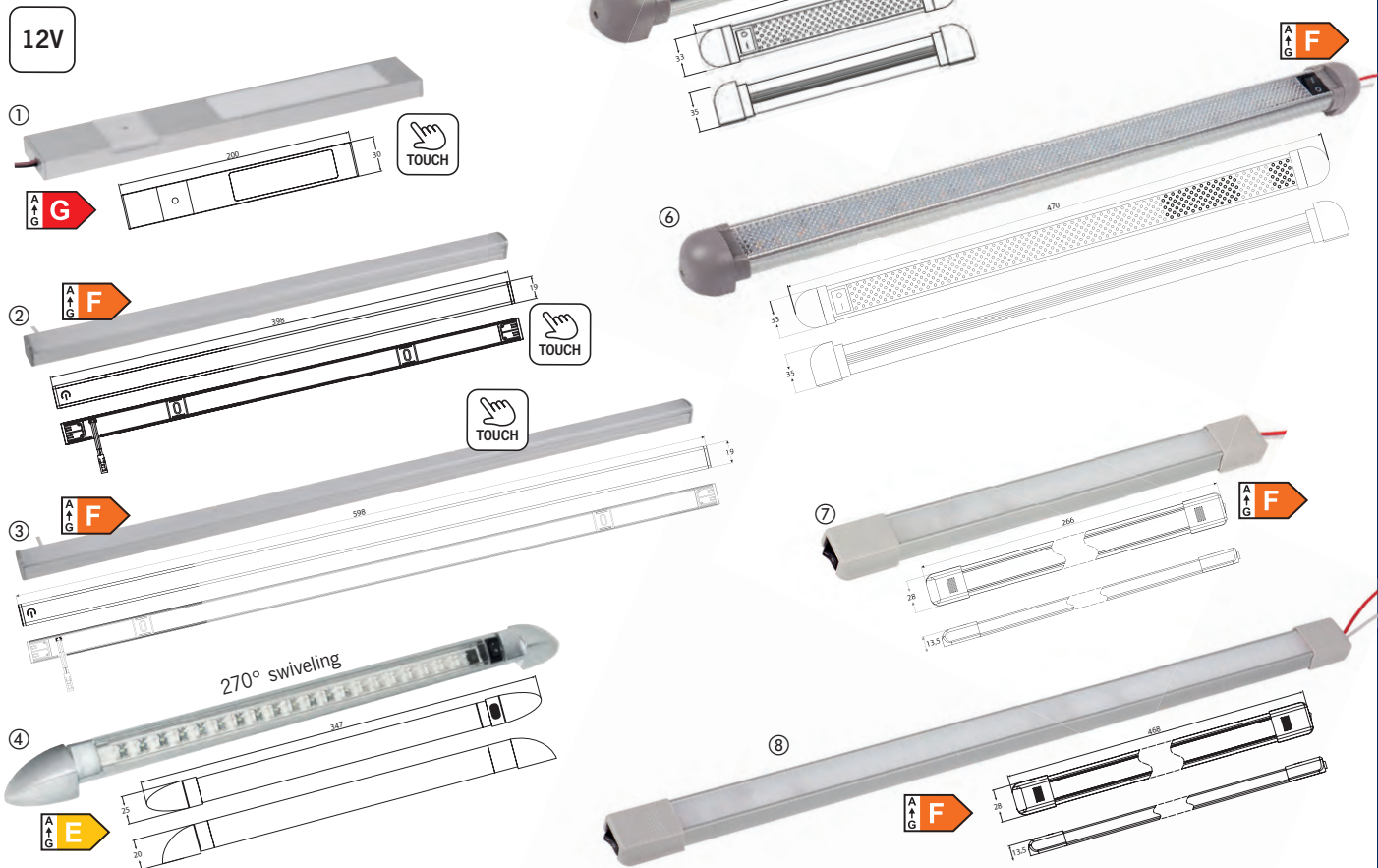


G4 COB bulb

5 x COB LED, 12 V, 5 W, G4 base, COB bulb, aluminum, 3.000 K, 400 lumen, non-dimmable, IP20, angle 120°, dimensions: W 15,3 x H 33 mm. **830332 6,50**

12 V LEDline lights

• Elegant appearance thanks to aluminum housing



| | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |
|----------|-------------|-------------|-------------|---------|---------|---------|---------|---------|
| Volt | 12 V | 12 V | 12 V | 12 V | 12/24 V | 12/24 V | 12/24 V | 12/24 V |
| Watt | 3,3 W | 5 W | 7 W | 2,8 W | 2 W | 6 W | 3,6 W | 7,2 W |
| LED's | 18 | 27 | 42 | 18 | 10 | 30 | 18 | 36 |
| Lumen | 185 | 360 | 470 | 288 | 180 | 520 | 340 | 570 |
| Kelvin | 3.000 K | 3.000 K | 3.000 K | 3.000 K | 3.000 K | 3.000 K | 3.000 K | 3.000 K |
| Switch | Yes (Touch) | Yes (Touch) | Yes (Touch) | Yes | Yes | Yes | Yes | Yes |
| Length | 20 cm | 40 cm | 60 cm | 34,7 cm | 22,5 cm | 47,0 cm | 26,6 cm | 46,8 cm |
| Wide | 3 cm | 1,9 cm | 1,9 cm | 2,5 cm | 3,3 cm | 3,3 cm | 2,8 cm | 2,8 cm |
| Height | 1 cm | - | - | 2,0 cm | 3,5 cm | 3,5 cm | 1,35 cm | 1,35 cm |
| Art. no. | 83671 | 83674 | 83675 | 835571 | 83241 | 83242 | 83243 | 83244 |
| Price | 16,90 | 21,90 | 29,90 | 33,90 | 18,90 | 39,90 | 19,90 | 33,90 |

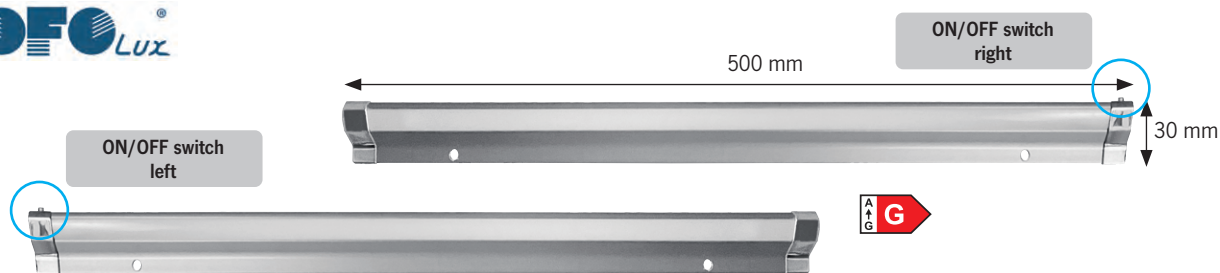
12V LED



12 V LED line lights

- ① **LED light Lava** with on/off switch, 12 V, 4 watts, hole spacing: 25 cm
Housing color silver **83139 41,90**
- ② **Linear spotlight for diffuse light** with double switch. Night light 6 LED's, normal light 24 LED's, matte plexiglass shade, mirrored plexiglass support. 12 V, 0,3 W or 1,3 W. Dimensions: approx. 296 x 38 x 10 mm. Drill hole: Ø 20 x 20 mm. Height required for switch, hole spacing: 22 cm
833831 34,90

12 VOLT LED LINE LIGHTS/ POWER RAIL SYSTEM



12V

Surface-mounted line light, 500 mm

- Ideal for the rear garage in motorhomes
- Housing made of anodized aluminum
- Satin frosted glass profile for glare-free light
- ON/OFF switch on the end cap
- 60 warm white LED's (4.000 K)
- Used in Adria motorhomes

12 V, 60 LED's, 750 lumen, light temperature: warm white (4.000 K)
Satin frosted glass profile (polycarbonate), housing made of anodized aluminum, end caps made of chrome-plated ABS (high-gloss).
Dimensions approx: LxWxH 500x30x11 mm.

| | | |
|--------------|-------|-------|
| Switch left | 83629 | 29,50 |
| Switch right | 83630 | 29,50 |



Individual illumination with the power rail system

① Black power rail system

12V track system in lengths of 700 mm and 1.000 mm. Without LED spots. Color: Black. Note: A maximum of 8 LED spotlights may be used per track.

| | | |
|----------------------|--------|-------|
| Rail length 700 mm | 832785 | 26,80 |
| Rail length 1.000 mm | 832786 | 32,90 |

② Supplementary spotlight with on/off switch for power rail system

Movable LED spotlight, 1 watt. Light color: Warm white 3.000K. Note: A maximum of 8 LED spotlights may be used per power rail. Dimensions: approx. 51x19x36 mm

| | | |
|-------------------------------------|--------|-------|
| Silver | | |
| for power rail system 832795/832796 | 832799 | 14,90 |
| Black | | |
| for power rail system 832785/832786 | 832800 | 15,90 |

③ USB port for power rail system

(a maximum of 2 USB ports can be connected per power rail)

| | | |
|-------------------------|--------|-------|
| Silver lacquered | 832798 | 19,90 |
| Black lacquered | 832788 | 19,90 |



12V



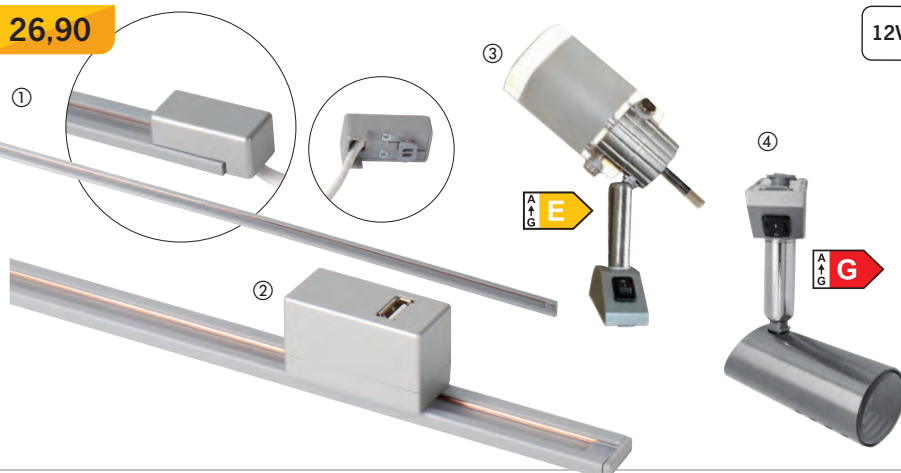
26,90

Power rail kit

① Dometic power rail kit

Length of the conductor rail: 1.000 mm. Length of connection cable: 800 mm. Delivery includes end caps.

| | | |
|---|-------|-------|
| ① Dometic power rail kit | 83423 | 26,90 |
| ② 2 A USB charging adapter | 83427 | 38,90 |
| ③ LED power rail spotlight LMC/Dethleffs 12 V/2 W, real glass | 83426 | 44,90 |
| ④ LED spot Kim 12 V/1,8 W | 83424 | 37,90 |



12V

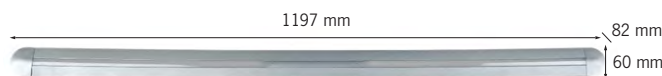
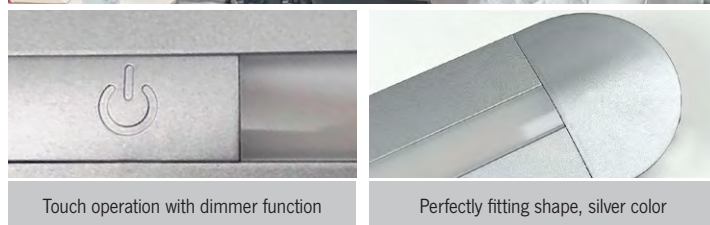
Cabiante Cabin light - LED cabin line lamp for Fiat Ducato, Peugeot Boxer and Citroën Jumper

- Specially developed for mounting on the original B-pillar in the Fiat Ducato and similar vehicles
- Two independently controllable lamps
- Touch operation and dimmer function

The Cabiante line lamp was specially developed for installation in the cabin of Fiat Ducato, Peugeot Boxer and Citroën Jumper (YOC 2006-2023). Thanks to its vehicle-specific, slightly curved shape, it can be attached precisely to the B-pillar of the cabin. (Installation only possible in motorhomes and vans whose B-pillar is not cut out). The two independently switched lamps are operated via touch switch. The warm white light and dimmer function create a cozy atmosphere in the vehicle. 6 Assembly screws are included in the scope of delivery.

Technical specifications:

| | | |
|-----------------------------|--------------------------|--------------|
| Tension: | 9-15V DC | |
| Power consumption: | 7,9 W | |
| Length of connection cable: | approx. 1.000 mm | |
| Lumen: | 580 | |
| Light color: | Warm white, 3.000K ±300K | |
| Dimensions (LxWxH): | 1197x60x8,2 mm | |
| Weight: | 440g | |
| Material: | Aluminum, plastic | |
| Color silver | 83631 | 94,90 |
| Color black | 83632 | 94,90 |



12V LED NIGHT LIGHT



LED lamp Down Light Slim

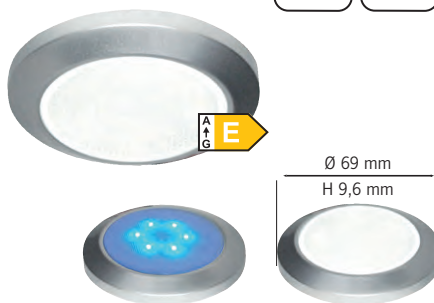
- With touch switch
- Very flat plastic housing
- Light white/blue switchable

Round ceiling lamp with 2 light colors. 36 warm white LED's (4.900-5.300 K, 576 lumen) or 6 blue LED's as night light. 5,7 W, beam angle 120°. Dimensions: Ø 130 x 10 mm. Not dimmable.

835490 49,95



12V LED NIGHT LIGHT



LED lamp Mini Slim Down Light

- Touch-switch
- Light white/blue switchable

Round LED lamp with 2 light colors. 12 warm white LED's (3.000 K, 192 lumen) or 6 blue LED's as night light. 1,9 W. Beam angle 120°. IP66. Dimensions: Ø 69 x H 9,6 mm. Not dimmable.

835491 24,90



12V LED NIGHT LIGHT



LED lamp SlimLite

- Flat surface-mounted lamp
- With push button switch (On/White/Blue)
- Aluminum colored plastic housing

Rectangular ceiling lamp with 2 light colors. 36 warm white LED's (4.000 K, 576 lumen) or 12 blue LED's as night light. 5,7 W, beam angle 120°. Silver housing with switch. Dimensions: 185x110 mm. Not dimmable.

835492 54,90



12V LED NIGHT LIGHT



LED ceiling lamp

• Light white/blue switchable
Ceiling lamp with 36 white LED's and 12 blue night light LED's. Silver with switch. Dimensions: 156 x 124 x 13,5 mm, 450 lumen, 7 watts.

83536 37,50



12V LED NIGHT LIGHT



Surface-mounted LED spotlight

• 6 x blue night light LED's
• 12 white LED's
1,9 W / 192 lumen, dimensions 84 x 10 mm, with switch. Not dimmable.

83996 27,95

12 VOLT LED SURFACE LAMPS/ WALL LAMPS

CARBEST 



12V
LED

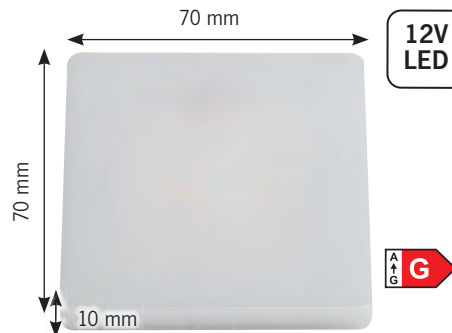
LED wall and ceiling lamp round

- ON/OFF switch integrated
- Design: opal white

LED wall and ceiling lamp with switch for surface-mounting. 12 V, 3 W, 190 lumen, 3.000 K. Beam angle 120°. Diameter: 75 mm. Height: 10 mm. Not dimmable.

833731 9,95

CARBEST 



12V
LED

LED wall and ceiling lamp square

- Square shape
- Very flat and inconspicuous
- Design: opal white

LED wall and ceiling lamp for surface-mounting. 12 V, 3 W, 190 lumen, 3.000 K. Beam angle 120°. Dimensions (LxWxH): 70x70x10 mm, Not dimmable.

833732 9,95

CARBEST 



12V
LED

Super flat LED panel

- Frame only 5 mm high
- 2 m connection cable
- Dimmable, 360° beam angle
- Warm white light with 3.000 K

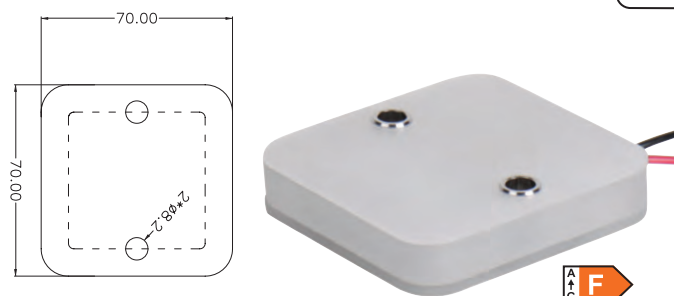
① 100 x 200 mm, 12 V/4 W, 54 LED's, 300 lumen

Color silver: **833691 33,95**

② 100 x 100 mm: 12 V/3 W, 24 LED's, 184 lumen

Color silver: **83369 21,90**

CARBEST 



12V
LED

LED surface lamp

LED surface lamp for wall and ceiling, made of plastic in white, 12 V, 5 watts, 350 lm, 33 SMD LED's. Color temperature 3.000 K, beam angle 180°.

Dimensions: 70 x 70 x 14,5 mm

830341 15,50

Dimensions: 130 x 130 x 14,5 mm

830342 19,90



① LED reading lamp with mini spotlight

Can be used as a recessed or surface-mounted lamp. With movable mini spotlight and indirect lighting. 3-position switch (ON/SPOT/OFF). 12 V, 0,4 W + 2,5 W (spot). Silver-colored plastic housing. Dimensions: L x W x H 155 x 60 x 35 mm.

83592 36,90

② LED wall lamp with 2 USB ports

Elegant design and exclusive styling. With integrated switch and 2 USB ports (1 A each). 12 V, 3 W. Black housing. Dimensions: L x W x H 237 x 40 x 14 mm.

83593 35,50

③ LED wall lamp

Elegant design and exclusive styling. With integrated switch. 12 V, 3 W. White housing. Dimensions: L x W x H 230 x 40 x 13 mm.

83597 32,50

19,40

12V
LED




LED surface lamp

Made of polycarbonate with removable magnetic frame for concealed mounting. 12 V, 250 lm, beam angle 120°. Dimensions: 100 x 100 x 7 mm

Brushed chrome 83587 19,40

12 VOLT LED SURFACE-MOUNTED LAMPS/ CEILING LAMPS



LED lamp
12 Volt, LED, 4 W, plastic, color white, with switch. Dimensions: 248 x 64 x 35 mm.
83562 **24,90**



CARBEST
LED surface-mounted lamp
Flat housing with high quality frosted glass plastic panel and ON/OFF switch. Dimmable LED's, 12 Volt, 6 Watt, dimensions: LxWxH 270x100x10 mm.
83627 **39,95**




LED surface-mounted spotlight
Surface-mounted spotlight HT223 with 6 LED's with 10 mm thick acrylic glass panel.
With switch **83420** **24,40**
Without switch **834201** **21,40**



Storage lamp
12 Volt, 3 Watt, 4.200 K. Plastic housing. Dimensions: L 180 x W 105 x H 35 mm. 6,48 W - 2 x 39 LED's. Used by Adria, for example.
83271 **12,20**



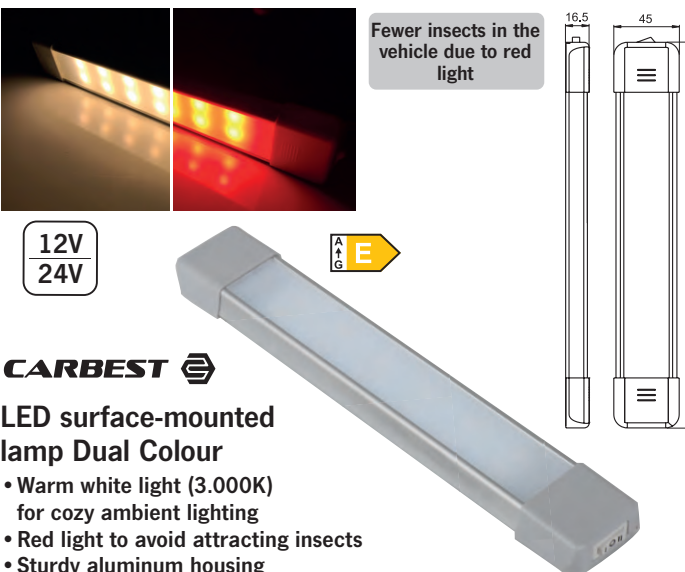
CARBEST
LED battery lamp with radio switch
• Ideal for the Reimo CampingBox
• Up to approx. 56 hours of lighting time with only one set of batteries
• Radio switch with up to approx. 35 meters range (free area)
6 white LED's, 55 lumen. Touch switch on the lamp. Additional radio switch (range approx. 35 m) for on and off. Mounting possible with screws or adhesive strips. Dimensions radio switch: 85x85x20 mm, dimensions lamp: 300x50x20 mm. 3 x AAA batteries for the switch and 4 x AA batteries for the lamp (not included). Mounting material included.
83154 **19,90**



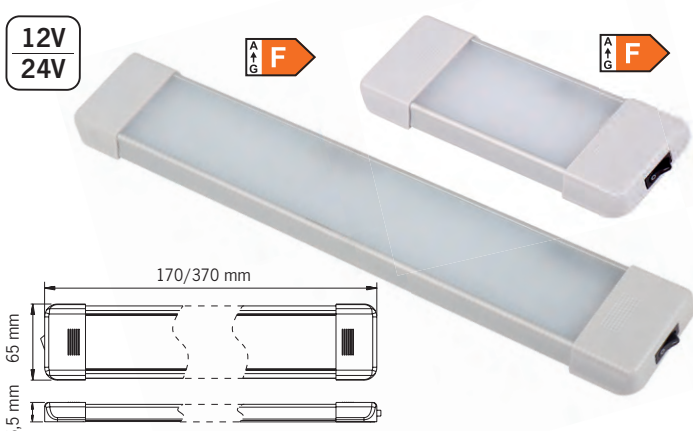
CARBEST
approx. 15 mm
approx. 200 mm
approx. 90 mm
LED surface-mounted lamps
• Flat aluminum housing (height approx. 15 mm)
• With diffusing lens for glare-free light
• Beam angle 120°, warm white 3.200 K
Aluminum housing with silver-grey plastic end caps. 3 W, 48 LED's, 288 lumen
83539 **29,95**



Magma surface-mounted LED lamp
Matte silver, LED insert 14 SMD LED's. Dimensions: 5 x 10 x 3 cm.
83136 **28,90**



LED surface-mounted lamp Dual Colour
• Warm white light (3.000K) for cozy ambient lighting
• Red light to avoid attracting insects
• Sturdy aluminum housing
• Easy assembly: screw on or glue
The 12/24V Dual Color LED light is equipped with 12 warm white SMD LED's and an additional 12 red SMD LED's. Color change takes place via switch. Dimensions: 270 mm long, connection cable approx. 30 cm.
83589 **36,90**



CARBEST
LED surface-mounted lamps
• Elegant aluminum housing
• Frosted glass pane
Noble appearance due to aluminum housing. 12/24V, with on/off switch. 3.000K. IP65. Not dimmable.
Length: 170mm, 18 LED's, 4 W, 348 lumen **83245** **16,90**
Length: 370mm, 54 LED's, 11 W, 979 lumen **83246** **39,90**

Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.

12 VOLT CABINET LAMPS / BUILT-IN LAMPS



Battery-operated LED wardrobe lamp OVO

Battery-operated LED cabinet lamp made of black plastic. 12 V, 4 LED's, 23 lumen, warm white.

Includes 3 x AAA batteries.

83618 13,90

3 x AAA batteries including



12V LED

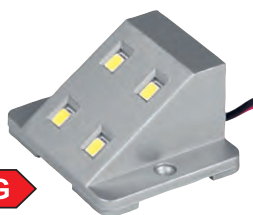
LED recessed spotlights Vega 48

Light Ø 48 mm, recessed dimensions: Ø 48 x D 10 mm, 12-14 V, 1 W, 3.000 K, 80 lumen.

Black steel **83626 18,50**
Brushed steel **83625 18,50**



12V LED



Mini cabinet lamp

LED cabinet lamp 0,8 W with magnetic contact. Switches on when the cabinet door is opened. Finished module with counter plate for the flap or door.

Dimensions: L 30 x W 30 x H 19 mm. 6.000 K. Color: silver.

83273 12,90



12V LED



COB recessed metal spotlight

Light Ø 68 mm, 12 V, 3 W, 3.000 K, 95 lumen, hole 52 mm, color black, **83622 24,90**



USB rechargeable LED cabinet lamp

Battery operation (1.400 mA) Integrated motion detector and main switch. Automatic switch-off after 20 seconds. With retaining clip for easy removal of the lamp. Rechargeable via USB. Charging cable (60 cm) enclosed. Lighting time approx. 9 hours, charging time approx. 3 hours. LED lamp 0,5 W. Dimensions: L 102 x W 85 x H 10 mm. **83489 39,90**



12V LED



Metal LED recessed spotlight

• With touch switch

Light Ø 68 mm, 12 V, 1,56 W, 3.000 K, 95 lumen, hole 52 mm, brushed aluminum, **83623 23,50**



12V LED

①



②

③



④

⑤



⑥



LED recessed/under-cabinet lamp

Modular system with freely selectable housing shapes

① **12V LED recessed/under-cabinet light**, 3W, 210 lumen, 6 LED's, 3.000K. Material: aluminum. Supplied without connection cable. (Cable 83585 is absolutely essential for connecting the light) **835801 17,90**

② **Substructure housing, round, flat**, Color: matte black, material: plastic, dimensions: 65 x 2,6 mm **83581 3,40**

③ **Recessed housing, round, high**, Color: matte black, material: plastic, dimensions: 65 x 15,6 mm **83582 3,40**

④ **Recessed housing, square, flat**, Color: matte black, material: plastic, dimensions: 65 x 65 x 2,6 mm **83583 3,40**

⑤ **Square base housing, high**, color: matte black, material, plastic, dimensions: 65 x 65 x 15,6 mm **83584 3,40**

⑥ **Connection cable 12V, 15A**, 1.000 mm, suitable for recessed/under-cabinet lamp 835801, with snap-in connector **835802 3,20**

CARBEST 

LED spotlight

12V LED spotlight, color: white, 3.000K, 2 W, 12 SMD LED's, 190 lumen, ABS housing. Dimensions: Ø 75x18mm. IP67. Not dimmable.

83373 9,90




12V 24V

Ø 75 mm

18 mm

56 mm


AAG F

CARBEST 

Ceiling spot Wave

3 white LED's with switch. Ø 105 x H 24 mm. Plastic/metal, silver, swiveling. 3 x 1 W/80 lumen. Not dimmable.


83533 35,90



12V LED

105 mm


AAG G

CARBEST 

Surface-mounted LED spotlight

LED surface-mounted spotlight, swivel, chrome, easy installation, 12V, 1,3 W, 3.000 K, dimensions: Ø 100 mm, H 40 mm

833833 23,50



12V LED

100 mm

AAG G

CARBEST 

Wall and ceiling lampround (50 mm)

- Touch switch center
- Design: chrome

With touch switch for surface-mounting. 12 V, 1,5 W, 73 lumen, 3.000 K. Beam angle 120°. Shiny chrome, material: aluminum. Protection class: IP60, dimensions: Ø 50 mm, height: 8 mm. Not dimmable.

833733 16,90



12V LED

50 mm

8 mm

TOUCH

AAG G

CARBEST 

Round wall and ceiling lamp (70 mm)

- Touch switch center
- Design: chrome

LED wall and ceiling lamp with touch switch for surface-mounting. 12 V, 3 W, 150 lumen, 3.000 K. Beam angle 120°. Shiny chrome, material: aluminum. Protection class: IP60, dimensions: Ø 70 mm, height: 8 mm. Not dimmable.

833734 19,90




12V LED

70 mm

8 mm

TOUCH

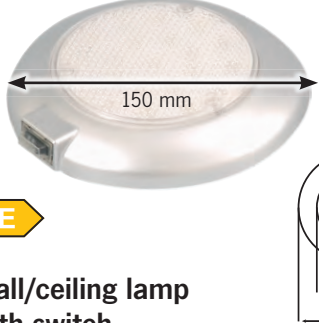
AAG G

CARBEST 

Wall/ceiling lamp with switch

With night light and 3-stage switch: ON/OFF/50%. 18 SMD LED's, 3 watts, 288 lumen. Warm white 3.400 K. Ø 150 mm. Color: silver-grey. Not dimmable.

832381 32,90



12V LED

150 mm

100 mm

150 mm

AAG E

CARBEST 

LED ceiling light

- Touch switch center
- 3-stage switching (weak, medium, bright)
- Design: silver

Round LED ceiling light, shiny silver. 12 V, 7 W, 447 lumen, warm white 3.000 K. With touch switch, IP44. Dimensions: Ø 175 mm, height: 18 mm. Not dimmable.

835721 39,90



12V LED

TOUCH

175 mm

18 mm

AAG F

CARBEST 

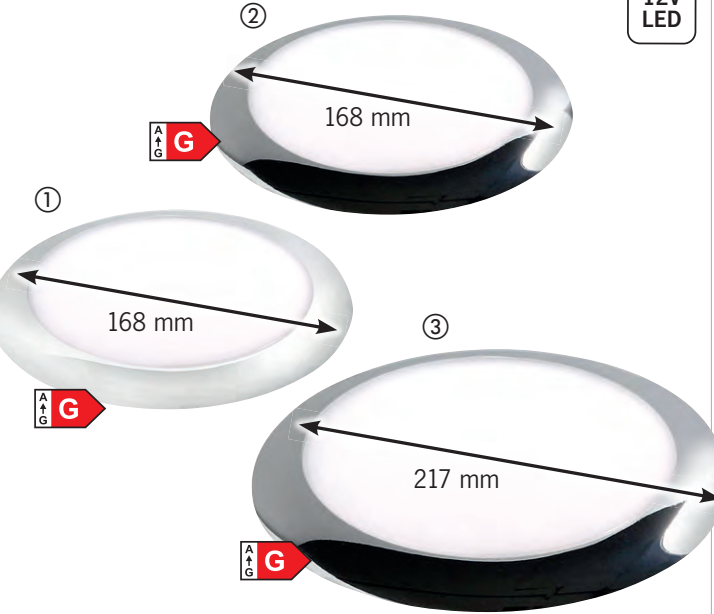
Wall and ceiling lights

12 V, warm white 4.000 K, beam angle 120° Plastic, white or chrome.

① Ø 168 mm, H 9mm. 250 lumen, 5,5 W. 83268 33,90

② Ø 168 mm, H 9 mm. 250 lumen, 5,5 W. 83269 40,50

③ Ø 217 mm, H 11 mm. 290 lumen, 6,5 W. 83270 54,90



12V LED

168 mm

168 mm

217 mm

AAG G

AAG G

AAG G

12 VOLT LED DOWNLIGHTS / LED SPOTS



LED mini recessed spot short

- Very small and compact
- Spot swivels
- Metal housing in matte black

Swivel LED recessed spot Ø 35 mm, with clamp bracket for easy installation. 12V, 0,4W, 22 lumen, hole: 30 mm. Matte black coated metal housing.

831583 14,90

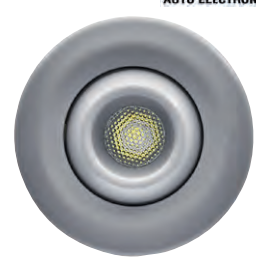


LED mini recessed spot long

- Very small and compact
- Spot swivels
- Metal housing in matte black

Swivel LED recessed spot Ø 35 mm, with clamp bracket for easy installation. 12V, 0,4W, 22 lumen, hole: 30mm. Matte black coated metal housing.

831584 20,-




CARBEST by **SSANEL** AUTO ELECTRONIC

LED recessed spotlight made of ABS plastic

- With touch-switch in the spotlight
- Swivels

Round LED recessed spot Ø 70, with clamp bracket. 1x SMD LED, 12 V, 1 W, 60 lumen, IP 54, LED color warm white (3.000 K). Hole: 45 mm. Matte silver

83620 24,90



CARBEST by **SSANEL** AUTO ELECTRONIC

LED recessed spotlight made of aluminum

Round LED recessed spot Ø 50 mm, with clamp bracket. 12 V, 1,5 W, 125 lumen, IP 54, LED color warm white (3.000 K). Hole: 40 mm. Matte silver

83621 24,90



CARBEST

LED mini recessed spot stainless steel

- Very small and compact
- Clamp mount
- Stainless steel housing

Round LED mini recessed spotlight made of stainless steel with clamp bracket. 12 V, 1 W, 53 lumen, warm white 3.000 K. Beam angle 60°. Hole: 13 mm, IP65. Not dimmable.

837080 10,90



CARBEST

LED mini recessed spotlight plastic

- Very small and compact
- Flat design (adds only 4 mm)

Round LED mini recessed spotlight made of plastic with mounting thread. 12 V, 1 W, 65 lumen, warm white 3.000 K. Beam angle 120°. Hole: 15 mm. Not dimmable.

837081 10,90



Recessed mini spot

For use with Adria Twin, for example 0,6 watts white, chrome housing. 12 x 19 mm, Ø hole 17 mm.

83708 4,70



Recessed LED micro spot

Practical as a starry sky or entrance lighting. Ø 10 mm hole. Dimensions Ø 15 x L 25 mm. Steel chrome-plated. 10-14,4 V DC, 0,2 watts.

LED white 83387 8,70



Recessed LED micro spot

Practical as a starry sky or entrance lighting. Ø 10 mm hole. Dimensions Ø 15 x L 25 mm. Steel chrome-plated. 10-14,4 V DC, 0,2 watts.

LED blue 833871 8,70



LED pedestal light

With motion sensor. For mounting close to the ground, ideal as an orientation light at night. Brushed stainless steel front cover. 12 Volt, 2.700K, 0,3W, 3 LED's, 4 lumen, IP44

83586 21,90

12 VOLT RECESSED LIGHTS

12V LED

LED recessed spotlight

- 14 LED's
- Touch-switch in the frame

Light with clamp mount, with 14 LED's. 0,5 W, Ø 75 mm

83598 38,50

12V 24V

Adjustable LED recessed spotlight

Made of clear polycarbonate, aluminum base. 150 lm, IP20, beam angle 120°, Ø 51,6 mm Color: black.

83576 23,95

12V 24V

TOUCH

Adjustable recessed LED spotlight

- On/off touch switch

Made of polycarbonate, nylon and chrome. 200 lumen, IP20, beam angle 120°. Ø 69 mm.

83579 24,20

CARBEST

12V LED

Stainless steel LEDspotlight

LED spot, 12 V, 1,7 W, brushed stainless steel, 3.000 K, 165 lumen, 9 LED's. Dimensions: approx. Ø 65 x 11 mm. Not dimmable.

83676 9,99

CARBEST

12V LED

Stainless steel LED spot

LED spot, 12 V, 1,7 W, brushed stainless steel, 3.000 K, 180 lumen, 24 LED's. Dimensions: approx. Ø 65 x 11 mm. Not dimmable.

83670 9,99

12V LED

TOUCH

LED recessed spotlight

12 volt, 1,6 W, 24 LED's, metal, chrome-plated, 65 x 65 x 20 mm. With switch **83158 21,90**
Without switch **83159 18,90**

12V LED

TOUCH

LED recessed spotlight

- Used in Adria vehicles

12 Volt, 1,6 W, 24 LED's, brushed aluminum, 4.000K, with touch-switch, dimensions: 65 x 65 x 20 mm.

831581 18,50

CARBEST

12V LED

LED spotlight, silver

LED spotlight, silver, easy installation, 12V, 2,7 W, 3.000 K, 200 lumen, dimensions: Ø 90 mm, H 11,5 mm. Not dimmable.

83673 9,99

CARBEST

12V LED

Reading light

- 24 LED's

With 24 SMD LED's, 168 lumen, 1,9 W, 4.000 K, warm white, Ø 63,2 mm, installation opening Ø 45 mm. Not dimmable. Housing: Aluminum.

83231 24,90

CARBEST

12V LED

LED recessed spotlight

- Square shape
- Spot swivels
- Material: brushed aluminum

Adjustable LED recessed spotlight made of brushed aluminum. 65 x 65 x 16 mm, 108 lumen, 2 W, 3.000 K. Not dimmable.

831582 12,90

DOMETIC OUTDOOR

12V LED

Recessed spotlight Manni

- Withclamp mount

With clamp mount. Dimensions: Ø 46 x 23 mm. 12 V/0,2 W LED.

83379 18,90

DOMETIC OUTDOOR

12V LED

Swivel recessed spotlight

Pivoting recessed LED spotlight, 12 V/1,4 W, dimmable

83429 29,90

12V LED


TOUCH

Spotlight with touch-switch

With touch-switch. 1 watt, 18 SMD's, 66 x 18 mm. Hole 50 mm.

83469 21,90

12/24 VOLT LED COCKPIT LAMPS/ LED GOOSENECK LAMPS




12V LED

LED reading light Minitube D4

- With flexible arm
- USB connection in the base (5V/2A)

LED surface-mounted spotlight, aluminum with switch, 12 V, 100 lm, 3.000 K, 1,6 W.

| | | |
|-------------------|--------------|--------------|
| Color chrome | 83624 | 52,90 |
| Color matte black | 83612 | 52,90 |

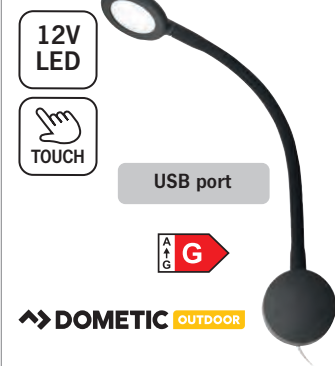


from 44,95

USB port

LED gooseneck light 12 V lights with switch and USB charging socket (1,5 A). Silicone coated, length: approx. 386 mm

| | | |
|---------------|---------------|--------------|
| ① White 1,2 W | 835901 | 46,95 |
| ② Black 1,2 W | 83590 | 45,95 |
| ③ White 1,8 W | 835910 | 45,95 |
| ④ Black 1,8 W | 83591 | 44,95 |



12V LED

TOUCH

USB port

DOMETIC OUTDOOR

Gooseneck lamp with touch sensor

- LED light with touch-switch
- 1A and 2A USB port for charging smartphones and tablets

10 to 15 V, 2 W, 3.000 K, 120 lm
Length approx. 37 cm

83393 79,-




CARBEST

12V LED

29,90

Flexible LED Spot

2 W, 110 lumen, beam angle 90°, warm white 3.400 K. With switch, total length 240 mm. Black color. Not dimmable. **83394 29,90**

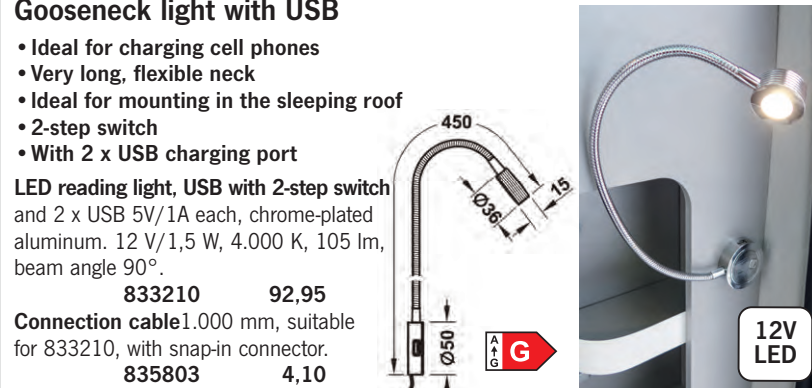


CARBEST

12V LED

Flexible LED Spot

COB LED, 2 W, 100 lumen, beam angle 90°, warm white 3.000 K, total length 300 mm. Color silver. Not dimmable. **83398 21,90**




Gooseneck light with USB

- Ideal for charging cell phones
- Very long, flexible neck
- Ideal for mounting in the sleeping roof
- 2-step switch
- With 2 x USB charging port

LED reading light, USB with 2-step switch and 2 x USB 5V/1A each, chrome-plated aluminum. 12 V/1,5 W, 4.000 K, 105 lm, beam angle 90°.

| | |
|---------------|--------------|
| 833210 | 92,95 |
|---------------|--------------|

Connection cable 1.000 mm, suitable for 833210, with snap-in connector. **835803 4,10**



12V LED

TOUCH

USB port

Flexible LED lamp with touch switch

- 3 lighting levels
- 2A USB port for charging smartphones and tablets

15 to 125 lumen. IP 20, 3.000 to 4.000 K, length: 280 mm.

83577 38,90



12V LED

Cockpit lamp

Cockpit lamp 12 V 3 W LED, 150 mm arm, black

83306 67,50



12V 24V

ONYX Copilot

LED reading light with switch, black

12 V/24 V, 0,5 W, 3.200 K, 20 lm, beam angle 120°, service life approx. 20.000 h. Length approx. 460 mm for cigarette lighter.

833082 33,50



12V LED

TOUCH

Threaded foot M10

Cockpit lamp with screw thread

With switch, 18 SMD. Metal and silver-colored. 12 V/1,1 W, 90 lm, 3.200 K, beam angle 120°. Ø 42 mm, L 320 mm, thread M10/L 18 mm.

83346 28,50



12V LED

Cockpit lamps 2 V / 5 W


Ready to install, for permanent mounting. Ideal for mounting in a high or sleeping roof. With diffusing lens for glare-free light

| | | |
|------------|--------------|--------------|
| ① L 600 mm | 83309 | 65,90 |
| ② L 295 mm | 83308 | 49,50 |

83308L

Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.

12V LED



Screw mounting

① L 130 mm **83395 33,95**
② L 330 mm **83396 34,95**

Gooseneck lamp
For screw mounting, with switch, 1 watt, LED bulb MR11. Color: Matte silver.

CARBEST



27,90

Gooseneck lamps
With 2 LED's and ON/OFF switch. 12 V, 1,9 W, 192 lumen, beam angle 120°. Ideal for mounting on roof cupboard or side rail. Length: 465 mm. Color black/silver. Not dimmable. **833953 27,90**

CARBEST



12V LED

90 mm

LED spotlight with flexible arm
• Noble design in matte black
• ON/OFF switch

High-quality glass screen. Not dimmable. Material: aluminum / plastic, total length: 150 mm / flex arm length: 90 mm, ON / OFF switch, 3.000 K, 1,8 W, 80 lumen, 6 x SMD LED's. **830346 26,90**

CARBEST



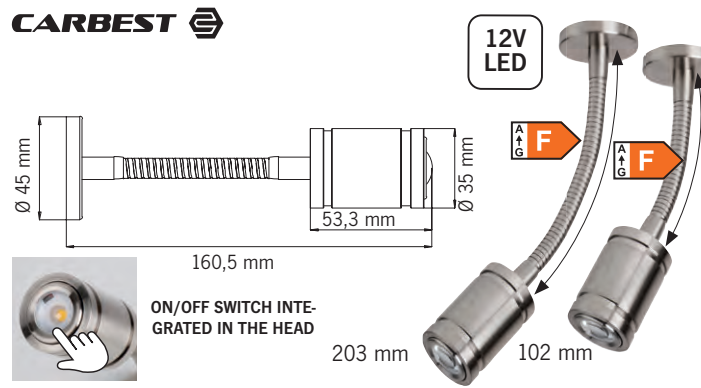
12V LED

90 mm

LED spotlight with flexible arm and USB charging socket
• Noble design in matte white
• ON/OFF switch
• USB port in the base (1 x 2A)

High-quality glass screen. Not dimmable. Material: aluminum / plastic, total length: 150 mm / flex arm length: 90 mm, USB port in base (1 x 2 A). ON/OFF switch, 1,8 W, 80 lumen, 3.000 K, 6 x SMD LED's. **830345 29,90**

CARBEST



12V LED

Ø 45 mm
160,5 mm
53,3 mm
Ø 35 mm
203 mm
102 mm

ON/OFF SWITCH INTEGRATED IN THE HEAD

Brushed nickel reading light in two lengths
12V, 1 x COB LED, 1,2 W, 100 lm, beam angle 120°, warm white (3.000 K), dimmable if additional dimmer is available. With switch. Ø 35 mm, total height 160,5 mm **830343 35,90**
Total height 300,5 mm **830344 39,90**



32,90

with 2 x USB-C

TIP

LED reading light with integrated USB charging sockets
• 2 x USB-C / 1 x USB-A

With flexible arm (length approx. 25 cm). 12V, 1,9 W, 182 lumen. Light color: Neutral white (4.200K), not dimmable. Soft-touch surface in matte black. Screw mounting with 20 cm connection cable. **83628 32,90**

12V LED



USB port

LED gooseneck lamp
• USB socket in the base
• On/off switch

Attractive design with on/off switch and USB connection (5V, 2,1A) in the base. Flexible arm with black silicone coating. 12V / 2W / 3.000K. Base dimensions: Ø 80 mm / height: 25 mm. Length of flexible arm: approx. 285 mm. **83613 40,90**

12V LED



LED reading light
• With ON/OFF switch

With flexible arm (approx. 100 mm). Ideal for seating area or bedroom. Steel chrome-plated. Light color: Neutral white (4.000 K), 10-14,4 V DC, 0,5 watts. **83604 33,90**

12V LED



USB port

Lamp with night light
• 2,1A USB socket in the base
• With blue night light

With flexible arm (approx. 140 mm). Ideal for seating area or bedroom with switch. Steel chrome-plated. Normal white /night light blue, 10-14,4 V DC, 1 watt. Height: 230 mm, Ø 60 mm. 2-way switch. **832771 27,60**

12V LED

28,95



USB port

Lamp with night light
• 2,1A USB socket in the base
• With blue night light

With movable lamp and on/off switch. Ideal for seating area or bedroom. Steel chrome-plated. Normal white / blue night light, 10-14,4 V DC, 1 watt. Height: 120 mm, Ø 60 mm. 2-way switch. **832781 28,95**

Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.





12V LED
TOUCH

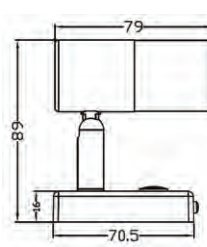
79
89
16
ø6.0

CARBEST

LED spotlight with touch switch and glass shade
12V, incl. night light function, material: brushed nickel, 3.000K, 2W, 1 x COB LED, 180 lumen, dimmable via touch switch, weight: approx. 300g.
83187 18,95



A+G F




12V LED
USB
TOUCH

79
89
70.5

CARBEST

LED spotlight with touch-switch and USB port in the base
12V, incl. night light function, glass shade, material: brushed nickel, 3.000K, 2W, 1 x COB LED, 180 lumen, dimmable via touch switch, weight: approx. 200g.
83189 29,90



A+G F



12V LED

A+G G

Reading light
Reading light with joint arm and double acrylic glass cylinder white/clear.
83419 28,50



12V LED
TOUCH

A+G F

CARBEST

LED spotlight with touch-switch and lampshade in white
12V, incl. night light function, elegant lampshade in white, material: chrome, 3.000K, 2W, 1 x COB LED, 180 lumen, dimmable via touch switch, weight: approx. 170g.
83188 27,90



12V LED

USB port

A+G G

LED spotlight Minitube D4
• With USB connection in the base (5V/2A)
• Aluminum in matte black
Surface-mounted LED spotlight with switch, material: aluminum. Color: matte black, mains voltage: 12 V, luminous intensity: 100 lm, 1,6 W, USB socket.
83611 49,90

ø 30 mm
60 mm
85 mm
ø 50 mm



12V LED

26,90

A+G G

LED spotlight with switch
12 Volt, 2,5 W power LED, metal, brushed chrome-plated with glass shade and switch, rotatable & tiltable. Dimensions: 95 x 55 x 100 mm.
831371 26,90



12V LED
TOUCH

A+G G

Spotlight with touch-switch
Micro spotlight, 12 volt, 1 W power LED, metal, brushed chrome-plated with glass shade and touch switch, rotatable and tiltable. Dimensions: 95 x 55 x 100 mm.
83156 23,95



12V LED

A+G G

Mini spot
12 Volt, 3 W power LED, metal, chrome-plated brushed with glass shade and touch-switch with dimming function, rotatable and tiltable. Dimensions: 95 x 55 x 100 mm.
83157 24,50



12V LED
TOUCH

A+G G

LED sensor touch spot
With sensor touch switch, 1 watt. Chrome, dimensions: Ø 88 x H 27 mm.
83466 25,40



12V LED

Kin livingroom lamp
• For wall mounting
• Grazing light upwards and downwards
• Integrated, adjustable mini spotlight
• Touch-switch
12 V LED livingroom lamp KIN with modern shade and touch-switch for wall mounting. The lamp creates an extremely cozy ambience with light shining upwards and downwards at the same time. An adjustable mini spotlight is also integrated, which is perfect as a reading light. Housing color: black, shade color: white Dimensions: HxWxD approx. 150x80x85 mm.
833740 41,90



A+G E



- Individual lamp construction for atmospheric lighting
- Profile length: 1,5 m, suitable for LED flex strips with a maximum width of 10 mm
- All aluminum profiles incl. 2 end caps
- Suitable for the Carbest LED flex strips
- Perfect combination with furniture panels and furniture parts

The aluminum profiles are a professional solution for laying LED strips. You can easily create your own lighting with the profiles and LED strips on the right.

The profiles are also ideal for use in furniture construction, e.g. to conceal the transition between different wooden panels or to provide stylish lighting. This creates effective lighting accents that can be perfectly integrated into the furniture. This specifically illuminates corners and areas under cabinets and shelves. When it comes to light diffusion, you can choose between the semi-transparent satin cover or the opal version with a white appearance.

Each set comes with 2 end caps, which you can extend with additional end caps. Suitable for LED strips with a maximum width of 10 mm.

All aluminum profiles are supplied WITHOUT LED flex strips.

- Flat aluminum profile including 2 end caps** For surface-mounting or recessing in a groove. Length: 1,5 m, without cover.

| | | |
|--|---------------|--------------|
| Silver aluminum profile | 82999 | 9,95 |
| Spare end caps silver for 82999 (2pcs.) | 82980 | 1,95 |
| Black aluminum profile | 829993 | 12,95 |
| Spare end caps black for 829993 (2pcs.) | 82970 | 1,95 |
- Angled aluminum profile including cover (satin finish) and 2 end caps** For mounting in corners and under cupboards. Length: 1,5 m

| | | |
|--|---------------|--------------|
| Silver aluminum profile | 829991 | 15,95 |
| Spare end capsilver for 829991 (2 pieces) | 82981 | 1,95 |
| Aluminum profile black | 829994 | 17,95 |
| Spare end capsblack for 829994 (2 pieces) | 82971 | 1,95 |
- Fixing clips for 829991 (2 pieces)**

| | | |
|--|---------------|-------------|
| | 829810 | 1,95 |
|--|---------------|-------------|
- Semicircular aluminum profile including 2 end caps** For screwing on and covering transitions of e.g. furniture panels. Length: 1,5 m, without cover.

| | | |
|---|---------------|--------------|
| Silver aluminum profile | 829992 | 15,95 |
| Spare end caps silver for 829992 (2pcs.) | 82982 | 1,95 |
| Black aluminum profile | 829995 | 23,40 |
| Spare end caps black for 829995 (2pcs.) | 82972 | 1,95 |
- Satin cover (semi-transparent)** Suitable for 82999/829993/829992/829995. Length: 1,5 m.

| | | |
|--|--------------|-------------|
| | 82983 | 6,95 |
|--|--------------|-------------|
- Cover opal (opaque white)** Suitable for 82999/829993/829992/829995. Length: 1,5 m.

| | | |
|--|--------------|-------------|
| | 82984 | 6,95 |
|--|--------------|-------------|
- Black tinted cover (opaque)** Suitable for 82999/829993/829992/829995. Length: 1,5 m.

| | | |
|--|--------------|-------------|
| | 82985 | 6,95 |
|--|--------------|-------------|



Professional LED flex strips with warm white light

- Atmospheric lighting indoors / outdoors
- All LED flex strips are dimmable
- Self-adhesive backing (3M)
- Can be shortened after every 3rd LED

12 V LED flex strip for indoor & outdoor use 30 LED's/m, 2,4 W/m, 190 lumen/m, 3.000 K warm white, IP66, 5 m roll, tape width: 7 mm. **83174 24,90**

12 V LED flex strip for indoor & outdoor use 60 LED's/m, 4,8 W/m, 320 lumen/m, 3.000 K warm white, IP67, 5 m roll, tape width: 7 mm. **83171 44,90**

12 V LED flex strip for indoor & outdoor use 120 LED's/m, 7,2 W/m, 480 lumen/m, 3.000 K warm white, IP67, ideal as awning lighting, incl. 1 m connection cable (waterproof), 5 m roll, tape width: 10 mm. **83170 69,90**

12 V LED flex strip for indoor use 60 LED's/m, 4,8 W/m, 290 lumen/m, 3.000 K warm white, IP20, 5 m roll, tape width: 5 mm. **83172 34,90**



LED flex strips with RGBW or blue light

- All LED flex strips are dimmable
- Self-adhesive, can be shortened after every 3rd or 6th LED

12 V LED flex strip RGB and warm white in one 72 LED's/m, can be shortened after every 6th LED, 10,8 W/m (all LED's), 2,2 W/m (warm white LED's). Warm white: 250 Lm/m, red: 72 Lm/m, yellow: 138 Lm/m, blue: 35 Lm/m. 3.000 K warm white, 5 m roll, tape width: 10 mm. IP65. **83175 74,90**

① **RGBW control unit with remote control** Especially for RGBW LED flex strip 83175. For controlling lighting effects and light color. **83179 22,90**

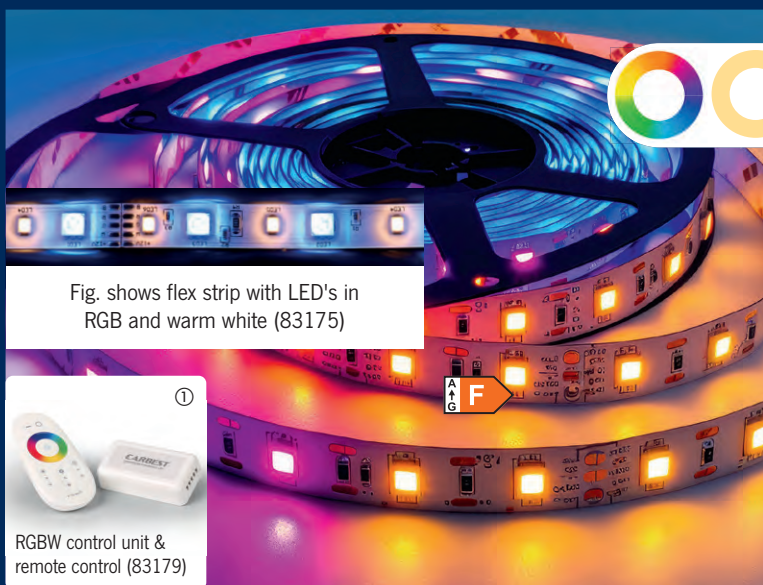
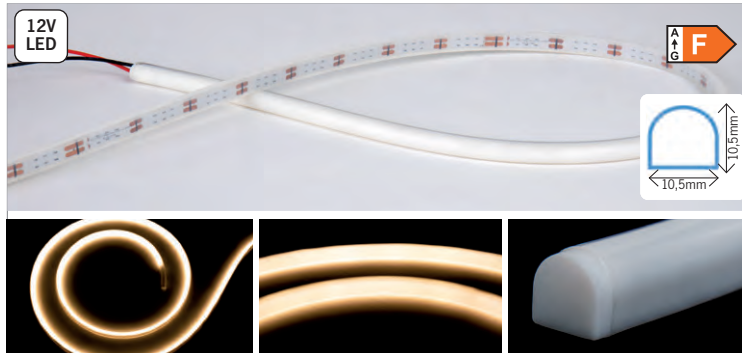


Fig. shows flex strip with LED's in RGB and warm white (83175)



12/24 V dimmer with remote control

For single-color LED strips or dimmable lamps. Functions: Lighter/darker, on/off. Ideal for retrofitting awning lighting, as there is no need to install an additional switch. 12V < 96W, 24V < 192W. Quiescent current approx. 30 mA. Dimensions: LxWxH 90x60x37 mm. **831003 19,90**



Flexible LED light tube for indoor & outdoor use

150 LED's, 10,8 W, 620 lumen, 3.000 K warm white, IP67, dimmable, 5 m roll with self-adhesive backing (3M), tape width: 10 mm **83178 89,90**

Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.

OUTDOOR LAMPS / AWNING LAMPS

12V LED



CARBEST 

Awning lamp

- With motion detector
- Waterproof (IP66)

36 LED's, 6 W, 576 lumen. Warm white 3.200 K. Beam angle 120°
Plastic housing silver, polycarbonate glass, dimensions: LxHxD 325 x 100 x 35 mm Not dimmable.

830170 69,95

A A G E

12V LED



Awning lamp

Plastic with polycarbonate glass, waterproof. 10 x 0,5 W. SMD LED.
Dimensions: L 365 x H 50 x D 40 mm.
Fiat white 249 **83467 46,90**
silver satin **83468 47,90**

A A G G




Rafter LED - awning tensioning rod with LED

- With COB LED's. Neutral light 4.000 K, 13,5 watts
- Power supply via adapter cable with cigarette lighter plug
- For awnings up to 250 cm extension (adjustable from 142-265 cm)

| | | |
|----------------------------------|---------------|--------------|
| Rafter LED for F45, F80s and F65 | 440685 | 111,- |
| Rafter LED CS for Caravanstore | 440686 | 111,- |

12V LED



Awning lamp

- With integrated rain gutter!

8 W, 4.200 K, SMD LED, dimensions: L 650 mm. Integrated rain gutter, for use above the car body door.

| | | |
|--------|--------------|--------------|
| White | 83279 | 49,95 |
| Silver | 83280 | 61,50 |

A A G G

12V LED



Caravan outdoor lamp

- With motion detector
- With 12 LED's

Motion reception range 180°
Dimensions: L 665 x H 70 x D 50 mm. 1,2 W.

83070 138,-

A A G G



THULE

LED flex strip

Suitable for outdoor use. Can be shortened every 5 cm. Flexible, with self-adhesive 3M tape. 1 m connection cable. Waterproof IP66, 60 power LED's/m with 340 to 380 mA/m. 12 Volt.

| | | |
|------------|---------------|--------------|
| 4 m length | 433001 | 99,- |
| 5 m length | 43300 | 130,- |
| 6 m length | 433002 | 150,- |

A A G G



12V 24V

CARBEST 

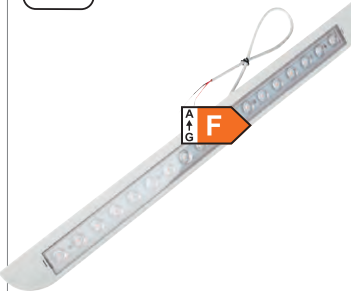
LED awning lamp for panel vans


12/24V, length: 231 mm, 2W, 9 SMD LED's, light color warm white (3.000K), 222 lumen, non-dimmable, IP67, Housing material: ABS, Housing color: Black

833771 21,90

A A G E

12V 24V



CARBEST 

LED awning lamp for motorhomes

12/24V, color: white, length: 480 mm, IP67, 3.000K, 4W, 18 SMD LED's, 388 lumen, ABS housing. Not dimmable.

83377 27,90

A A G F



LED awning lamp

12/24 Volt DC, 2,5 Watt, 2 A, light color: warm white, 5 m cable and universal safety plug

81191 125,-

12V 24V

A A G G



Rain gutter with integrated COB lighting

12V, 7 W, 450 lumen, light color warm white 4.000K, beam angle 130°. Material: aluminum, black. The lamp provides a pleasant light in front of the vehicle and and drains off rainwater at the same time. It is installed under the top pillar of the sliding door. Dimensions: LxWxH 1.500x34x12 mm. Weight: 440g.

| | | |
|--|---------------|--------------|
| For Fiat Ducato 244-250-290, Peugeot Boxer, Citroën Jumper from YOC 2006 (left-hand drive version) | 834511 | 117,- |
| For Mercedes Sprinter, VW Crafter, MAN | 834512 | 117,- |

A A G G



jakon

Housing in white

LED awning lamp 12 V

- Light flux approx. 250 lumen
- Color temperature 4.000 Kelvin (neutral white)
- Front beam angle: 90° / 45° to the side
- Surface mounting via screws

Used in Adria motorhomes. 12V, 5 W, connection cable 100 mm, material: ASA/ABS, weight: 0,25 kg, LxWxH 397x65x34.

| | | |
|-------------------------|---------------|--------------|
| Color: White (Fiat 249) | 82987 | 52,30 |
| Color: Grey (RAL 7004) | 829871 | 55,60 |

A A G G

Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.



High-quality LED retro lamp

- Elegant design thanks to the materials bamboo, metal and plastic
- With ring and handle for carrying and hanging
- Dimmable & can be used as a power bank

USB charging cable included. Lithium battery 3,7 V, 5.000 mAh.

Output: 3,2 W, 220 lumen

Charging time: 7 hours Weight: 0,75 kg

Dimensions: Ø 13 cm Height 25/32 cm

834873 54,95



Fig. Lamp with wall mount



Clip holder

4-in-1 rechargeable magnetic lamp

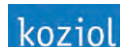
- Multifunctional use:
 - As a table lamp
 - With clip holder
 - With wall mount
 - As a flashlight
- 6 warm white LED's (3.000 K)
- 3 adjustable light levels
- Rechargeable via USB-C cable (included)
- Elegant metal housing in matte black
- ON/OFF touch sensor on the lamp head



Scope of delivery

The battery-powered lamp head can be removed from the table lamp frame and attached to the clip holder or wall mount using a magnet. This means that the magnetic lamp can be used individually.

Scope of delivery: rechargeable lamp head, table lamp stand, clip holder, wall mount, USB-C charging cable (length 0,8 m). Technical data: Li-ion battery (1 x 1.200 mAh). IP20, weight: 0,65 kg, dimensions: lamp head Ø40 mm, L: 110 mm, table frame H: 335 mm. 831953 29,95



Made in Germany



Light To Go lamp

100% recyclable

- MADE IN GERMANY
- 100% CO2 neutral product
- 100% recyclable
- Bamboo, BPA & melamine-free



Mobile lamp for indoors and outdoors, up to 14 hours battery life, dimmable in 4 levels, integrated power bank, incl. USB cable, material: thermoplastic, dimensions: Ø18cm height 28cm, color: white/grey

917615 65,95

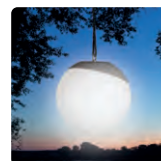


Rechargeable table lamp with touch operation

- Touch sensor on the lampshade
- 3 adjustable brightness levels
- Warm white cozy light for your tent, awning, garden...
- Suitable for outdoor use (protection class IP44)

White lampshade, anthracite-colored steel base. Rechargeable 2.000mAh Li-ion battery. 3,7 V, 3.000K. Incl. USB charging cable. Total height 30 cm, base H 15 x Ø 16,5 cm. Foot can be unscrewed for small pack size, weight: approx. 0,7 kg

831951 29,90



Rechargeable LED tent lamp

- Ideal for motorhome and caravan awnings
- 5-stage switching: 1: 100% light output, 2: 50% light output, 3: Automatic RGB color change, 4: RGB continuous light selection, 5: OFF
- Incl. hook and suspension cable and ground spike

White lampshade, anthracite-colored lamp base. Rechargeable 2.200mAh Li-ion battery. 2,5W, 16 LED's. Incl. USB charging cable. Dimensions: Ø 20cm, weight: approx. 0,6 kg

83195 39,90



Intended use of all lights and lamps in this catalog: Exclusively for 12 V battery operation and use in recreational vehicles.



Snap hook made of metal integrated in the lamp base



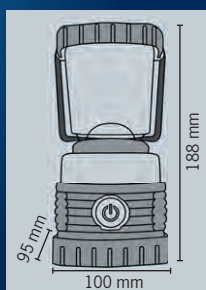
Protected USB-A and USB-C connection on the back



Robust housing and rubberized stand



Rubberized bow handle for a secure grip



Battery camping lamp with adjustable light temperature

- Adjustable light temperature (cool white, warm white, cool/warm white)
- Dimmable at any light temperature
- Additional flashing mode
- Powerbank function: other mobile devices can be charged via the USB-A output
- Snap hook in the base of the light

At the touch of a button, the light temperature of the 46 SMD LED's can be selected:

- Mode 1: cool white (light duration: 3,5 h)
 - Mode 2: warm white (Light duration: 4,5 h)
 - Mode 3: cold/warm white (light duration: 2,0 h)
 - Mode 4: Flashing mode (Light duration: 5,0 h)
- Brightness: max. 1.000 lumen.

The light can be dimmed continuously by pressing and holding. The integrated lithium battery (2 x 2.200 mAh) can be recharged via a USB cable (included).

Dimensions WxDxH: 100x95x188 mm, weight: 510g

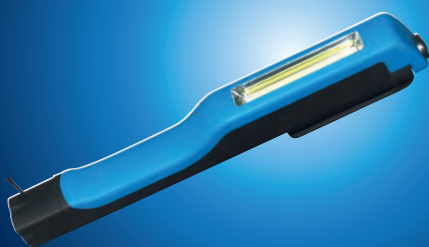
834875 34,90



COB clamp light

3 W COB + 1 SMD LED, 120 lumens + 30 lumens, 3 x AAA batteries (not included), 2 strong magnets on the back, clamp function, with joint for optimum adjustment options.

83490 6,95



COB multi-function pen light

Battery operation (3 x AAA). U-clip, ultra-bright LED, with loop.

83528 7,95



LED string lights incl. solar panel + battery

- Atmospheric lighting
- 4 m cable
- Light duration approx. 8 hours

Colorful string lights with 10 LED lanterns. An integrated rechargeable battery (1 x 1,2V AA 600mAh) is charged by a solar module (2V, 40mA). With on/off switch. Switches on automatically at dusk/darkness. Light duration approx. 8 hours. Cable length 4 m, incl. ground spike.

83183 9,50



Emergency and alarm light



Mosquito defense light

Outdoor and camping light

- Flashlight with emergency light and mosquito repellent light function
- Magnetic attachment
- With 2.500/4.000 mAh power bank
- USB cable and strap included

X5 Mini - 1,5 watt output Dimensions: L 150 x W 35 x D 35 mm. Max. 150 lumen. Weight: 150 g

910470 39,90

X5 - 2,0 watt output Dimensions: L 242 x W 35 x D 35 mm. Max. 200 lumen. Weight: 250 g

910469 49,90



Handy outdoorlamps

- All lights with integrated, rechargeable battery
- Rechargeable via USB
- All lights for standing or hanging in tents
- Cold white light

① **Large lamp with mosquito screen**

2.000mAh battery, 3,2W 16 SMD LED's, integrated mosquito protection light and power bank function. 4-stage switching: 100% light output / 50% light output / signal flashing / off. Ø 98 x height: 135/190 mm

930614 24,95

② **Rechargeable camping light with mosquito protection**

2.000mAh battery, 1W, integrated mosquito protection lamp. With charge indicator. 4-stage gearshift: 20% light output / 50% light output / 100% light output / off. Dimensions: Ø 88 x 129 mm.

83494 24,95

③ **Small globe lamp**

1.000mAh rechargeable battery, 1,5W 3 SMD LED's, lighting duration max. 14 hours. 4-stage gearshift: 100% light output / 50% light output / 20% light output / off. IPX7, Ø 80 x 102 mm

930613 11,95



LED table lamp with bluetooth speaker

- LED light with atmospheric, realistic flame effect
- Rechargeable via micro-USB

LED table lamp with integrated bluetooth speaker. Uncomplicated pairing with the smartphone. Transmission range >10m. Volume >90dB. Power supply: 5V 1A. Output power: 5W. 2.000mAh Li-Polymer battery. Material: ABS. Dimensions: Ø 98 x H165 mm

83184 27,95

LED torch with flame effect

- LED light with atmospheric, realistic flame effect
- Rechargeable via micro-USB

Authentic flame effect with 96 LED's. 2W, 100-200 lumens. Integrated 2.200mAh battery. Rechargeable via solar panel in the lid or via micro USB cable. Dimensions: Ø 95 mm, with 4 rod elements, max. height 830 mm

83588 24,95

CARALUNA combination tail lights

CARALUNA vertical, 12 V
UK versions
left (UK) 47731 117,-
right (UK) 47732 107,-

CARALUNA modular, 12 V
left 47713 176,-
right 47714 176,-

CARALUNA modular chromium
left 47727 154,-
right 47728 154,-

CARALUNA II plus, 12 V
left 47715 107,-
right 47716 107,-

CARALUNA II plus chromium, 12 V
left 47717 133,-
right 47718 133,-

CARALUNA II, 12 V
left SA1099 101,-
right SA1091 99,-

CARALUNA I
for pendant with triangle.
Dimensions: 447 x 170 x 85 / 105 mm
left 46825 82,-
on the right, without fog tail light. 46826 78,-

CARALUNA I
Dimensions: 447 x 170 x 85/105 mm
Caraluna for motorhomes.
left side 46837 79,-
right side 46838 115,-

Indicator-brake-fog-tail light
Can be used on the right and left. Dimensions: 383 x 130 x 60 mm.
46818 58,-

Indicator-brake-fog-tail light
With reversing light. Can be used on the right and left. Dimensions: 383 x 130 x 60 mm
46819 74,-

Lamp dimensions:
Ø 55 x D: 87,5 mm

Tail light
with 5 watt light bulb
46871 18,90

Brake light
with 21 watt light bulb
46872 21,60

Fog tail light
with 21 watt light bulb
46874 23,-

Reversing light
with 21 watt light bulb
46875 24,20

Indicator light
Smoked glass 21 watt, yellow bulb. 46873 21,50

Front indicator light
Recessed front, 21 watt, yellow bulb. 46878 15,80

Circular reflector
Ø 98 mm outside, 55 mm inside
① Circular reflector, red 46876 21,-
② LED clearance light, red 46877 60,10
③ Chrome-plated circular cover 46879 23,90
④ Parking light 12V/1,8W 47702 122,-

For side marking prescribed on the trailer

Rectangular reflector
2 pieces, yellow. 94 x 44 mm
468470 4,60

Tail lights with depth effect - Ø 122,5 x D82,5 mm (without bulb)

Indicator light
46880 39,40

Tail brake light
46881 35,70

Reversing light
46882 35,70

Fog tail light
46883 35,70

Tail light with indicator-brake-license plate and tail light
can be used on the right and left. Dimensions: 121 x 121 x 56 mm.
46827 19,95


12 V side auxiliary indicator light
Car body left, L140 x H51 x D47,5 mm 46885 18,80
Car body right, L140 x H51 x D47,5 mm, 46886 18,80

Side marker lights 12 volt

Structure
Dimensions: L126 x H11 x D38 mm
46835 10,70

Structure
Dimensions: L110 x H40 x D25 mm
46904 8,20

Installation
Dimensions: L102x H 40 x D45 mm
46903 10,60

Limitation marker, side markers and tail lights


LED surface-mounted clearance light
 Red 12 V 0,5 W waterproof. 0,5 m cable.
 Dimensions: L60 x H38 x D32 mm.
46898 38,80



12 V LED clearance light
 Dimensions: 101,6 x 45 x 12,5 mm
46957 19,90



LED clearance light, 12V, 0,5W
 Construction, L150 x H45 x D21 mm **46910 35,50**
 Horizontal mounting, L130 x H32 mm **46911 17,70**
 Vertical mounting, L130 x H32 mm **46912 21,90**

Recessed position light



White. L110 x H40 x D25 mm
46902 7,20



White, L101,6 x H45 x D40 mm
46901 10,40

Clearance light
 With rubber arm for upright mounting. Height 185 mm. Black housing with red (rear) and white (front) position light.
 Dimensions: 171,5 x 181 x 68 mm
46931 18,10



12V



Clearance light red/white
 Dimensions: L62 x H62 x D40 mm
46909 10,60

12V



Marker light
 Dimensions: Ø 80 x 41 mm.
 Grey base
46841 7,50



Clearance light red/white - white base
 Dimensions: L122,2 x H39,2 x D28,6 mm
White base plate, left 46907 9,60
White base plate, right 46908 9,90




License plate light
 Color: light grey. Dimensions: 102 x 55 x 57 mm.
46843 9,90

12V LED



LED license plate light
LED license plate light
 82,7x32,6mm, 12V/1 Watt.
47708 28,-



LED side marker light
 12 volt, LED, dimensions: 101,6 x 45 x 12,5 mm
46956 17,70

12V LED



Clearance light red/white - base grey
 Dimensions: L122,2 x H39,2 x D28,6 mm
Base plate grey, left 46905 9,60
Base plate grey, right 46906 9,90




LED auxiliary brake light
 Screw fastening, L 280 x W 25,97 x H 9 mm, 12 V/0,7 W, 3 m supply cable.
47710 86,-

12V LED

Function recessed lights
 Dimensions: 192 x 133 mm. Horizontal installation.

Taillight 46958 73,40
Tail/brake light 46960 79,90
Fog tail light (ECE tested) 46962 71,20



12V

12V LED



Limitation light 0,5 Watt
 Dimensions: 79 x 25,9 mm
47724 34,40

LED multifunction light 12 /24 Volt



LED multifunctional light 9-32V, clear red, 225 x105 mm, cable 500mm.
47615 236,--



LED multifunctional light 9-32V, clear red, central connection, 250x131mm
Right 47616 236,--

3-corner spotlight for trailers



LED multifunctional light 9-32 V, clear red, central connection, 250 x 131 mm
Left 47617 236,--



LED multifunctional light 9-32V, clear red, central connection, 250 x 131 mm.
Right 47618 236,--

6-corner spotlight for vehicles



LED multifunctional light 9-32V, clear red, central connection, 250 x 131 mm.
Left 47619 236,--

Auxiliary brake light



Recessed light

From the outside to screw on. 12 Volt Dimensions: L 330 x H42 x D34/24 mm
46856 79,--

Surface-mounted light

With white housing. 12 Volt/4,5 Watt. Dimensions: L385 x H97 x D40 mm
white 46854 99,--

Indicator, brake and tail light, front



Can be used on the right and left. 103 x 100 x 55 mm
46830 19,95



With license plate light and fog tail light. 285 x 96 x 56 mm
Left 46870 84,--



Right, 285 x 96 x 56 mm
46812 84,--

Side marker lights / position lights



Tail light
Recessed, fitted with glass base lamp W5W, 78 x 44 mm.
46992 16,90



12/4 V LED tail light
Installation, Ø 30 mm, 9-33 V. Red lens, cable 250 mm
46996 24,90



LED tail light
Surface-mounted, 12 V/0,4 W, red, 65 x 15 x 16 mm, cable 250 mm, hole spacing 45 mm
46994 20,40



LED side marker
Surface-mounted, 12 V, 125 x 45 mm, white base, 220 mm cable
46980 14,30

Marker lights



Marker light Recessed, with glass base lamp, W5W fitted, 78 x 44 mm.
46991 16,--



LED marker light
Rear, with reflector L 140 x W 25 x H 12 mm, hole spacing 100 mm, cable length 250 mm, 12 volt.
46823 19,95



LED marker light, front
L 140 x W 25 x H12 mm, hole spacing 100 mm, cable length 250 mm, 12 volt.
46829 22,90

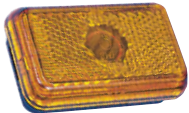


LED marker light, white, surface-mounted, 12 V/0,5 W, 65 x 15 x 16 mm, cable 250 mm, hole spacing 45 mm.
46993 19,50



12/4 Volt LED marker light
Recessed, Ø 60 mm, 9-33 V lens white, cable 200 mm
46995 21,90

Side marker lights 12 volt



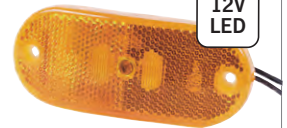
With reflector, L74 x H45 x D25 mm
46839 14,90



Installation with reflector. L110 x H45 x D17,5 mm
46913 17,90

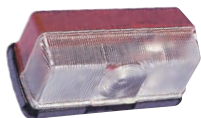


Surface-mounted, 12V, 100 x 44 x12 mm
46965 15,30



12 V, (E2) 0062, approx. 40 g, approx. 110 x 44 mm
46951 18,20

Clearance lights red/white



With spacer base
L92 x W43 x H45 mm
46833 10,10



With spacer base
L90 x H40 x D40 mm
46915 16,99



Black base, 12 volt. L 71 x H61 x D37 mm,
46840 19,90



Base grey, cover mirrored. 125 x 40 mm, with sealing ring, without socket.
46989 16,50



LED clearance light
Construction 12 volt, 125 x 45 mm, red/white, black base with 2 cover caps, cable 540 mm
46966 26,50

LED marker lights 12 Volt



Integrated reflector, 12V, 1 W, clear, 100 x 44 mm, cable 200 mm.

47600 18,20



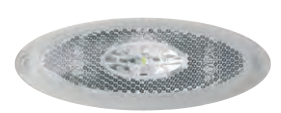
Integr. reflector, 12V/0,6W, clear, 110 x 45 mm, cable 100 mm.

47602 19,70



Frame white, 12 V, 1 W, clear, 124 x 45 mm, cable 200 mm.

47603 19,70



Transparent frame, 12 V, 1 W, clear, 124 x 45 mm, cable 500mm.

47605 19,70

LED marker lights 12 Volt



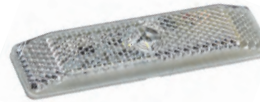
LED marker light, 9-33 V, 0,6 W, clear, Ø 30, cable 250 mm.

47612 21,50



Integrated reflector, 12 V, 1 W, clear, Ø 60, cable 700 mm.

47614 17,80



For Adria, Bürstner, Dethleffs, LMC and Laika. 12 V, 1 W, white, with reflector, 100 x 23,5 mm, cable 800 mm.

468931 14,50



Used in Adria, SEA, Kabe, Atlantis. Homogeneous light emission surface. Fastening with 3M self-adhesive film. 12 V, 1 W, white, 65 x 20 mm, cable 250 mm.

46939 19,-

LED side marker lights 12 Volt



12 V/0,6 W, yellow, 110 x 45, cable 100 mm.

46951 18,20



12 V, 0,6 W, yellow, 140 x 25 mm, cable 250 mm.

47611 16,70



12 V, 1 W, yellow, 125 x 45 mm, cable 200 mm.

469802 15,95



12 V, 1 W, yellow, 125 x 45 mm, cable 200 mm.

469801 15,20



For Adria, Bürstner, Dethleffs, LMC and Laika. 12 V, 1 W, yellow, with reflector, 100 x 23,5 mm, cable 500 mm.

468930 14,50

LED fog tail lights 12 Volt



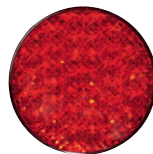
4 W, red, Ø 155 mm, cable 500 mm

47623 86,50



4 W, red, Ø 155 mm, cable 500 mm

47624 83,95



4 W, red, Ø 122 mm, cable 500 mm

47631 101,-

LED tail light 12 Volt



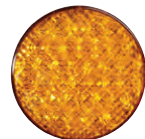
Used in Adria, SEA, Kabe, Atlantis. Homogeneous light emission surface. Fastening with 3M self-adhesive film. 12 V, 1 W, red. 65 x 20 mm, cable 250 mm.

46938 24,90



LED indicator lights
Cat. 2a. 12 V, 3 W, yellow, Ø 155 mm, cable 500 mm.

47622 64,90



LED indicator light
Cat. 2a. 3 W, yellow, Ø 122 mm, cable 500 mm.

47630 85,-

LED auxiliary brake lights 12 Volt



12 LED's, white housing. L 290 x H 26 x D 26 mm

46950 65,-



Used by Adria, SEA. Homogeneous light emission surface. Fastening with 3M self-adhesive film. 12 V, 3 W, red. 310 x 20 mm, cable 200 mm.

46936 62,90

LED reversing lights 12 Volt



3 W, clear, Ø 155mm, cable 500mm.

47625 92,90



LED reversing light/reflector
3 W, clear red, Ø 155 mm, cable 500 mm.

47626 102,-



LED vehicle system lights L250

a+b



③ - ⑦



⑧



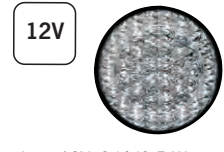
- ① **LED indicator light** Cat. 2a, clear, 9-32V, 2,2 W, Cable 500 mm **47663 84,-**
- ② **LED reversing light** clear, 9-32 V, 4,5 W, cable 500 mm **47665 79,90**
- ③ **LED fog tail light** red, 9-32 V, 2,2 W, cable 500 mm **47664 88,-**
- ④ **LED tail light** red, 9-32 V, 0,3 W, cable 500 mm **47659 77,-**
- ⑤ **Brake light** red, 9-32 V, 2,2 W, cable 500 mm **47660 78,-**

- ⑥ **LED brake/tail light** red, 9-32 V, 2 W, cable 500 mm 2,0 + 0, W **47661 78,-**
- ⑦ **LED auxiliary brake light** red, 9-32 V, 1 W, cable 500 mm **47662 81,30**
- ⑧ **LED reflector / reflector** red **47666 23,95**
- Cover caps L250 (2 pieces)**
- Chrome** **47677 12,50**
- Red** **47678 10,-**
- Grey** **47608 10,-**

LED indicator-brake-tail lights



12V
Ø 122 mm, clear
12 V, 3/4/0,5 W, cable 50 cm
47636 99,-



12V
clear, 12V, 3/4/0,5 Watt
Ø 95mm, cable 500mm
47642 95,-



12V
red/clear, 12 V 5 Watt,
Ø 95mm, cable 500mm
47649 95,95

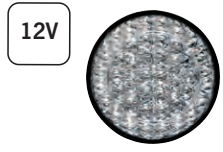
LED brake tail light



12V
80 x 80 mm
clear, 12 V, 4 W, cable 500 mm
47655 52,50



12V
Ø 95mm
red, 12 V, 3 W, cable 500 mm
47650 85,-



12V
Ø 95mm
clear, 12 V, 4 W, cable 500 mm
47644 72,-

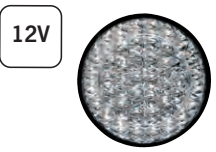


12V
Ø 122mm
clear, 12 V, 4 W, cable 500 mm
47638 93,-

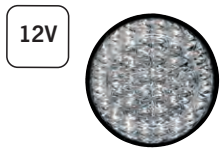


12V
LED indicator tail light
Ø 95mm
clear, 12 V, 3 W, cable 500 mm
47643 49,90

LED indicator light



12V
Ø 95 mm, Cat. 1+2
clear, 12 V, 3 W, cable 500 mm
47645 77,-



12V
Ø 95 mm, Cat. 2a
clear, 12 V, 3 W, cable 500 mm
47646 47,95



12V
Ø 122 mm
clear, 12 V, 3 W, cable 500 mm
47639 93,-



12V
Ø 95mm, Cat. 2a
clear, 12 V, 3 W, cable 500 mm
47651 85,-

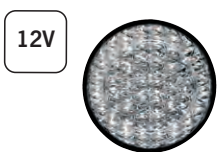


12V
80 x 80 mm Cat. 2a
clear, 12 V, 5 W, cable 500 mm
47656 45,50

LED fog tail light



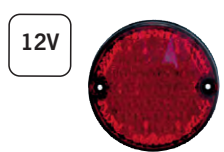
12V
Ø 122 mm
clear, 12 V, 4W, cable 500mm
K1+K2 **47640 89,-**



12V
Ø 95 mm
clear, 12 V, 4 W, cable 500 mm
47647 83,-



12V
80 x 80 mm
clear, 12 V, 3 W, cable 500 mm
47657 45,50

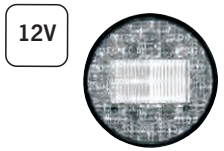


12V
Ø 95 mm
clear, 12 V, 3 W, cable 500 mm
47652 85,-

LED reversing light



12V
Ø 122 mm
clear, 12 V, 3 W, cable 500 mm
47641 138,-



12V
Ø 95 mm
clear, 12 V, 4 W, cable 500 mm
47653 124,-



12V
80 x 80 mm
clear, 12 V, 3 W, cable 500 mm
47658 133,-

LED lighting systems, Ø 122 mm



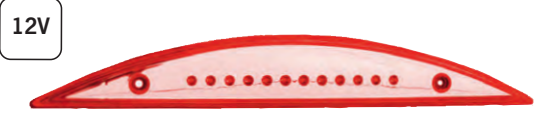
12V/24V
Tail-brake-indicator light
1/2/2 Watt, 9-32V
47719 186,-



12V/24V
Reversing light, surface-mounted
2 Watt, 9-32V
47722 146,-



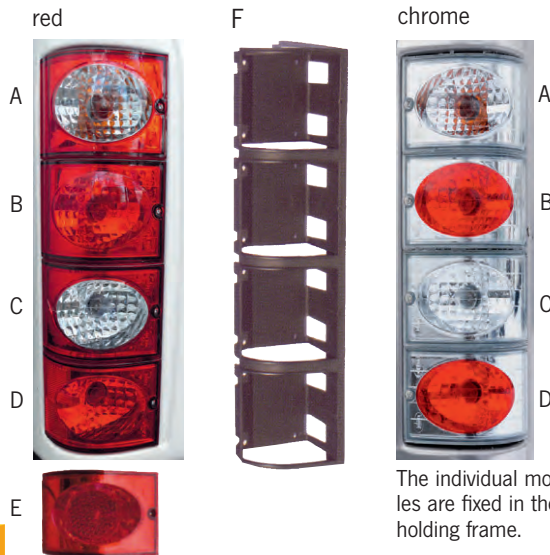
12V/24V
Fog tail light, surface-mounted
2 Watt, 9-32V
47723 199,-



12V
Red LED auxiliary brake light
12 LED's, clear glass optics, red lens, surface-mounted.
46999 59,95



12V
LED surface-mounted auxiliary brake light
With 28 LED's, clear glass optics with clear or red lens. Ideal for retrofitting - no back panel cut-out required, 31 x 1,5 cm.
① Clear: **46998 59,95**
② Red: **46997 59,99**



The individual modules are fixed in the holding frame.

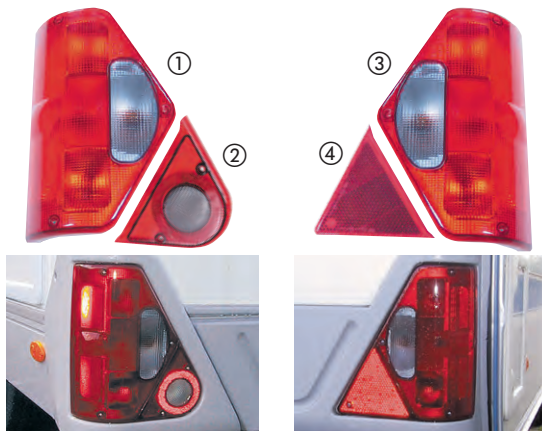
JOKON modular glass rear light system - Combine up to 4 modules

| | | | |
|---|-------------------------|--------|-------|
| A) Indicator light | red | 46981 | 35,- |
| | chrome | 469811 | 38,10 |
| B) Tail light with brake light with side marking without side marking | red | 46990 | 36,20 |
| | red | 46982 | 39,- |
| | chrome | 470001 | 34,20 |
| C) Reversing light | red | 46983 | 35,- |
| | chrome | 469831 | 37,40 |
| D) Fog tail light | red | 46984 | 34,- |
| | chrome | 469841 | 37,40 |
| E) Reflector | red | 46985 | 22,50 |
| | | | |
| F) Holding frame 3 modules | | 46986 | 31,40 |
| | Holding frame 4 modules | 46987 | 35,60 |

from **22,50**

Suitable for many Adria's and other manufacturers

Vehicle combination rear lights



- ① Reflectors with bulbs. Dimensions: 180 x 300 mm. left **46857 145,90**
- ② Reversing light for 46857 and 46860. Incl. light bulb. Dimensions: 130 x 100 mm **46859 43,60**
- ③ Reflectors with bulbs. Dimensions: 180 x 300 mm. right **46860 146,-**
- ④ Triangular reflector, red for 46857 and 46860. Incl. light bulbs. Dimensions: 130 x 130 mm **46858 27,90**

Fogtail/indicator/braketail lights



Can be used on the right and left. Incl. light bulbs. Dimensions: 385 x 130 x 84 mm **46866 102,-**

Can be used on the right and left. Incl. Bulb dimensions: 385 x 130 x 84 mm **46867 107,-**



Lights in clear glass look incl. light source - can be fitted with or without decorative ring



Reversing light

Ø outside: 95 mm, Ø mounting hole: 79 mm, depth: 80 mm, 12 V / 1x K21W, E1 1543, approx. 85 g
46955 26,30
Connection cable 30 cm with plug **46975 10,40**

Indicator light

Ø outside: 95 mm, Ø mounting hole: 79 mm, depth: 80 mm, 12 V / 1x K21W, E1 1547, approx. 85 g
46953 26,40
Connection cable 30 cm with plug on the left **46970 10,40**
Connection cable 30 cm with plug, right **46971 10,40**

Tail brake lamp

Ø outside: 95 mm, Ø mounting hole: 79 mm, depth: 80 mm, 12 V/1 x K21/5W, E1 1542, approx. 85 g
46952 25,90
Connection cable 30cm with Plug, left **46972 10,20**
Connection cable 30 cm with plug, right **46973 10,50**

Fog tail light

Ø outside: 95 mm, Ø mounting hole: 79 mm, depth: 80 mm, 12 V/1x K21W, E1 1544, approx. 85 g
46954 26,40
Connection cable 30cm with plug. **46974 10,40**

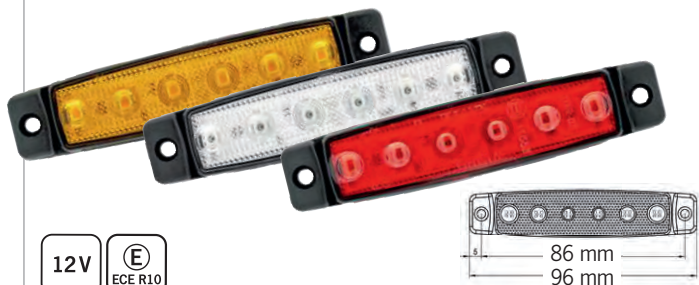
Decorative rings high-gloss mirror

Ø outside: 122 mm
Chromebrilliant
46942 10,50
Red 46943 10,90
Yellow 46944 10,90

12V SIDE MARKER LIGHTS / REFLECTORS / LICENSE PLATE HOLDERS



CARBEST by **SSANEL**
AUTO ELECTRONIC



12V ECE R10

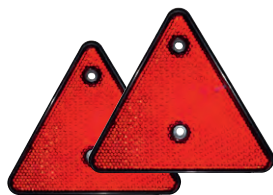
12V LED side marker lights

- Very small and compact
- Simple surface mounting suitable for indoor and outdoor use
- Economical LED technology
- ECE-approved

Particularly small and compact LED side marker lights. Suitable for indoor use (rear garage, storage compartments) and outdoor use. Operating voltage: 12 V, 6 x 0,06 W LED's, 30 lumen. Dimensions: LxW 96x10 mm.

| | | |
|---------------------|---------------|-------------|
| Color yellow | 469500 | 9,95 |
| Color white | 469502 | 9,95 |
| Color red | 469501 | 9,95 |

Reflectors



Triangle reflector

2 pieces, dimensions: 156 x 136 mm

468460 3,95



Reflector

2 pieces, clear. Dimensions: ca. 95 x 38 mm

468612 2,95



Reflector

2 pieces, red. Self-adhesive. Dimensions: 95 x 38 mm

468611 2,95



Clearance light red/white

Dimensions: L 92x H43 x D37 mm

46832 7,50

Reflectors/round reflectors



Reflector

1 piece, red, self-adhesive, Ø 72 mm

46861 2,95



Reflector

2 pieces, white, Ø 60 mm

468462 3,95



Reflector

2 pieces, red, Ø 72 mm

468530 2,95



jakon
Competence in Lighting

Reflector

round. Ø 155 mm

46893 12,50



12V



License plate holder with LED lighting

Integrated LED lighting on both sides of the holder. Dimensions: 632 x 146 x 58 mm. For standard E license plate (520 x 120 mm).

832794

99,-