

OPERATING INSTRUCTIONS

Automatic Charger for Lead Acid Batteries 12 V 6 A

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Dear Customer,

Thank you for buying our product. You have bought one of the most powerful and reliable Automatic Charger of its class.

Please read the operating instructions carefully before use.

Warning!!! Safety Instructions!

- **This device operates at 230V alternating voltage and must be kept out of reach of children!**
- The switch (3) on the rear does not disconnect all poles from the mains. For this reason the mains plug of the device must be accessible during operation.
- The air vents must not be obstructed during operation.
- No liquid of any kind may be allowed penetrate the device.
- The device may only be cleaned with a dry cloth.
- The device may only be connected to 230V/50/60Hz.
- Under no circumstances should the device be used under adverse ambient conditions. Adverse ambient conditions are: ambient temperatures over 50°C, flammable gases, solvents, vapours, dust, relative humidity over 80% and moisture.
- The device may only be operated in dry, indoor conditions.
- If there is reason to believe that safe operation is no longer possible, the device must be shut down immediately and secured against unintentional operation. There is reason to believe that safe operation is no longer possible if the device is not functioning or is visibly damaged, if the mains line is damaged, in the case of transport damage and after storage in unfavourable conditions .
- Service and repair
Service work and repairs may only be carried out by authorised personnel. Only spare parts with the specified values may be used.

Warning! The Charger operates on the constant charging voltage principle. Before recharging make sure that:

- the rechargeable batteries are constant charging voltage compatible.
- the rechargeable batteries have a max. charging current 6A.

The best results are achieved by using acid and sealed Lead acid batteries.

Warning! Strictly follow the manufactures instructions on recharging.

Description of Product

The Charger delivers a stable DC voltage of 13,8 V and a current of 6 A. The switching frequency is approx. 70kHz and allows the use of smaller components. The Charger is fitted with a switch mode power supply and operates without a transformer, thus enabling a weight reduction of approx. 70% compared to normal chargers.

Recharging

The Charger operates on the constant charging voltage principle. As soon as the end-of-charge voltage of 13,8 V is reached, the device shuts down. As soon as the battery voltage drops below 13,8 V, the battery is automatically recharged. This ensures that the battery is always full and a long battery life.

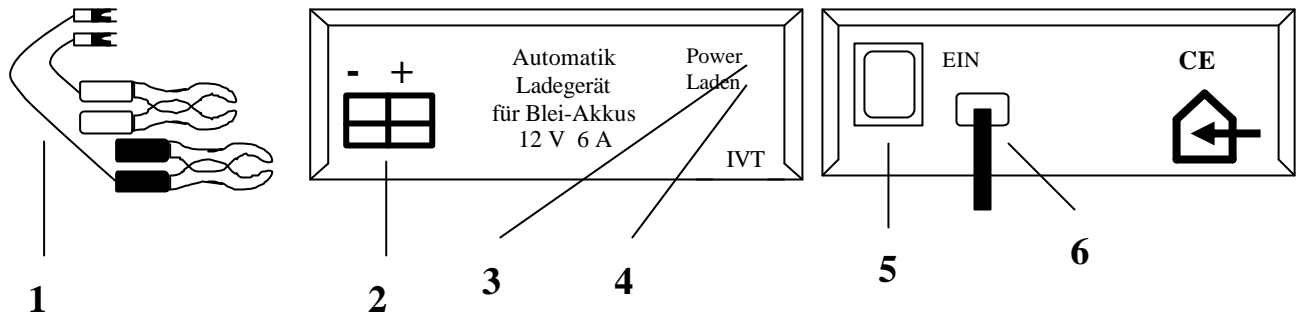
Use only:

- Rechargeable batteries that are constant charging voltage compatible.
- Rechargeable batteries that have a max. output current 6 A.

Warning! Follow the battery manufacturers instructions carefully.

Equipment and control elements

1. Charging cable
2. Connection + - via charging cable
3. LED operating voltage
4. LED charge level indicator
5. On/Off switch
6. Mains cable 230V~



Connection and Use

Check the Charger and wiring for visible damage before putting into use. Plug into the mains socket. As soon as the device is connected, the red LED lights up.

Recharging

As soon as the battery is connected, the green LED charge level indicator lights up. When the end-of-charge voltage is reached, the green LED goes out. As soon as the battery voltage drops below 13,8 V, the battery is automatically recharged. This ensures that the battery is always full and a long battery life. Note: The device can remain connected to the battery.

Charger fails to function – possible reasons.

Check whether LED signal lamp illuminates.

Warning! Unplug from mains socket before removing fuse holder. Use fuses of the same type. The use of repaired fuses or jumping the fuse-holder is dangerous and to be avoided. Service and repairs are to be made by authorized Personnel only.

Specifications

Input Voltage:	230 V +/-6 % 50/60 Hz
Power on:	max. 50 A
Output Voltage:	13,8 V +/-5 %
Output and charging current:	6 A continuous
Efficiency:	approx. 85 %
Short-circuit protection:	Pulsing cut-out
Safety Standard:	EN 60335
Insulation Voltage:	4,1 kVeff 50 Hz/1 Min.
Interference Suppression:	EN/CE Standard
Measurements:	158 x 110 x 40 mm
Weight:	650 g
Delivered:	Charger, charging-cable, mains cable and instructions

Subject to technical alteration. No liability assumed for typographical errors.
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