Automatic battery charger

- Automatic charging current adjustment according to the discharged state of the battery
- Permanent 6A charging current (peak 8A)
- LED indication for “supply voltage” and “charge control”

The AUTOMATIC battery charger automatically charges 12V lead-acid batteries with a nominal capacity of about 35 to 70 Ah.

Description

The charging current depends on the discharge degree of the battery. The automatic charging control turns off the charging current at the cut-off voltage of approx. 14V and turns it on again when the battery voltage has dropped to about 12,8V, thus avoiding overcharging or gassing of the battery and compensating for spontaneous discharge. Moreover, this facilitates floating operation of the battery.

The red LED serves as supply voltage control, the green LED indicates that the charging procedure is running.

Specifications

Operating voltage:	230V AC
Mains frequency:	50 – 60Hz +10% / -15%
Primary fuse:	Fine-wire fuse 5*20mm, 250V, 630mA Surge-proof (charger backside)
Secondary fuse:	Fine-wire fuse 5*20mm, 250V, 6,3A Surge-proof
Power consumption:	Max. 102VA at 6A charging current 150VA at full-load operation
Charging voltage:	Approx. 13V (automatic turn-off in case of short-circuit)
Charging current:	Permanent 6A, max. 8A
Degree of protection:	Safety class II – degree of protection IP20
Weight:	2 kg
Dimensions:	(W×H×D) 120×80×170mm
Cut-off voltage:	13,8V (no overcharging)
Turn-on voltage:	12,8V (deep-discharged batteries can be charged from 10,5V) Min. battery voltage: 10,5V
Turn-off voltage:	14,5V
Display:	RED LED – supply voltage control GREEN LED – charge control
Standards:	EMC-tested, DIN VDE 0700 (EN 60335)

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