

Stecamat 861 ES

Processor-controlled charger / discharger for lead-acid batteries

The Stecamat 861 ES battery charger features a discharging stage of 140 W. It can recharge 12 V batteries with 720 W of power or discharge, charge and evaluate batteries in one automated test cycle.

For individual adjustment of current, voltage, time and the ideal monitoring of your battery, the Stecamat 861 ES battery charger has a selection of preset battery profiles and the option of entering new battery profiles. The Stecamat 861 ES also enables the processing of damaged or totally discharged batteries, ensuring long service life. A backlit display provides rapid information on the state of charge.

The wide range of features and made-to-measure solutions for your application requirements make for high flexibility of use. This and the easy handling of the device make for trouble-free operation.



Quality made
in Germany

Product features

- IP 65 jet waterproof casing
- Battery processing for wet, gel and AGM batteries possible
- Charges 12 V lead-acid batteries (max. 50 A)
- Adjustable rated capacity determines the maximum charging current
- Charging below the gassing voltage
- Features 2 pre-set and 4 programmable charging characteristics
- Automated testing for 12 V lead-acid batteries (charge – discharge – charge)
- 12 V discharging stage with 10 A discharge current (you can select between 2.5 A, 5 A and 10 A)
- Capacity detection of 12 V lead-acid batteries
- Suitable for treating deep-discharged batteries
- Potential-free contact for ventilator control of the battery room venting system

Electronic protection functions

- Protection in the case of wrong or damaged batteries
- Battery overcharge protection
- Charger output protected against short circuits, reverse polarity and overvoltage
- Surge protection in on-board power supplies

Displays

- Multifunction graphical LC display with backlighting
- for voltage, current, charged capacity (charging) spent capacity (discharging) charging phase, test phase, menu

Operation

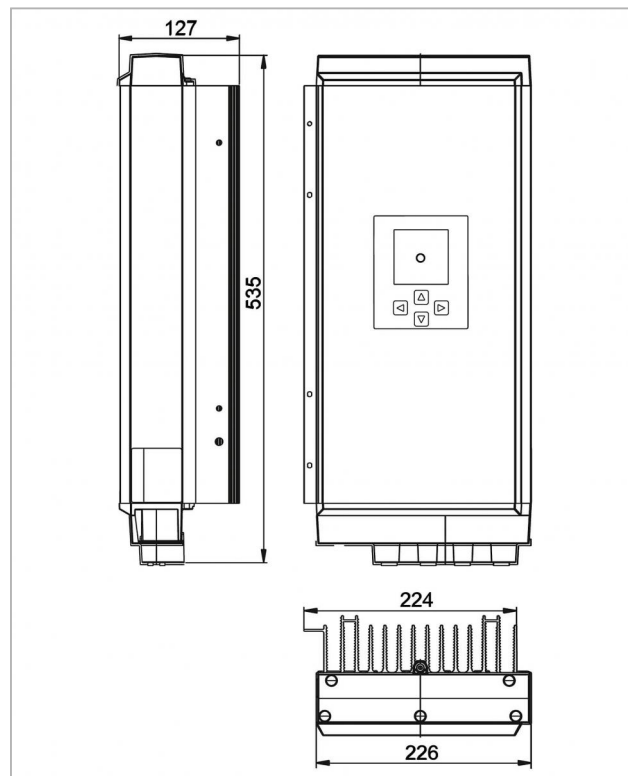
- Mains grid switch
- Four cursor buttons for menu selection
- Capacity test cycle: charge, discharge, charge

Interfaces

- Control contact for ventilation control system in accordance with DIN EN 50272

Options

- IO box with mains plug and relay for ventilator control



	861 ES
Charging rated voltage	12 V
Charge current	50 A
End-of-charge voltage	14.4 V
Trickle charge voltage only for charging programme	13.8 V
Max. rated discharge voltage	12 V
Discharge cut-off voltage	10.5 V (10 V ... 11 V adjustable)
Discharge current	selectable: 2.5 A / 5 A / 10 A
Characteristic curve	UoUoU (charging), UoUa (testing)
Capacity test cycle	charging / discharging / charging
Grid voltage	230 V AC \pm 10 %
Frequency	50 Hz (45 Hz ... 65 Hz)
Mains electricity (230 V)	3.7 A
Discharge current during grid failure	1.0 mA
Protection class	I
Casing	aluminium / plastic
Degree of protection	IP 65
Ambient temperature	-20 °C ... +60 °C
Cooling principle	convection
Dimensions (X x Y x Z)	226 x 535 x 127 mm
Weight	11.5 kg