



Professional quick charger with high charging current – Significantly reduces the charging time of large batteries

The fully automatic Battery Charger SH-3.160 is recommended for the professional use in workshops as well as in vehicles with large batteries, e.g. SUVs, service vehicles, mobile homes, caravan trailers and boats. Due to the high charging current of 16 A, it is particularly suitable for charging large batteries or when batteries (from 30 Ah) should be fully charged in the shortest time possible.

It is suitable for the gentle charging and optimum care of 12 V lead and 12 V calcium batteries as well as 12 V lithium batteries (LiFePO₄) with integrated battery management system (BMS).

The SH-3.160 offers a number of functions, such as the battery diagnosis, which indicates whether the battery can receive and retain charge. The special regeneration mode is used to reactivate deep discharged batteries. The integrated float charging phase ensures that the state of charge is constantly monitored and optimally recharged when required.

The most important characteristics and features:

- Suitable for 12 V lead and calcium batteries as well as 12 V lithium batteries with BMS
- Multi-step, microprocessor-controlled charging method
- Selectable AGM, SLA/Gel, Lithium mode and Calcium/Boost mode
- Regeneration step for the reactivation of deep discharged batteries
- Equipped with auto-memory-function
- Float charging phase – guarantees immediate operability
- Protection against short circuit, reverse polarity and overcharging
- Robust housing with IP 20 protection
- Easy operation with one button
- Clear operation and display panel
- Practical mounting rail
- Connection cable with fully insulated battery clamps

Charging modes – optimally and gently charged at all times

Moreover, the Staudte Hirsch quick charger SH-3.160 offers several charging modes that are optimized for the special requirements of the respective battery types.

Mode	Battery type	Battery capacity	Charging current	Cut-off-voltage
AGM	12 V AGM batteries	from 30 Ah	16 A	14.7 V
SLA/Gel	12 V lead-acid batteries 12 V lead-gel batteries	from 30 Ah	16 A	14.4 V
Lithium	12 V LiFePO ₄ batteries with BMS	from 30 Ah	16 A	14.4 V
Calcium/Boost	12 V calcium batteries 12 V lead-acid batteries	from 30 Ah from 30 Ah	16 A	16.0 V

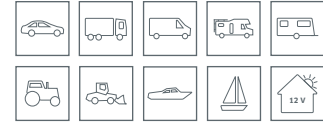


The battery charger has an auto-memory-function. Following a supply voltage failure, it ensures that the device will automatically return to the previously selected mode after power is restarted.

Technical data

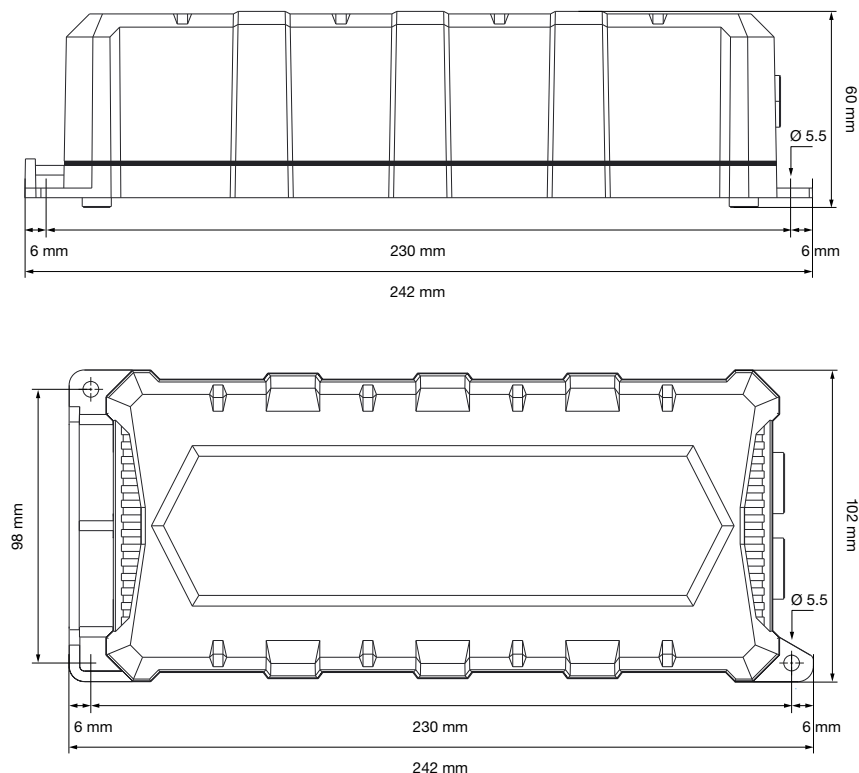
Input		
Operation voltage	220 - 240 V AC, 50/60 Hz	
Input current	max. 1.25 A	
Power consumption	270 VA	
Output		
Suitable battery voltage	12 V	
Charging current	max. 16.0 A ± 10 %	AGM, SLA/Gel, Lithium and Calcium/Boost mode
Rechargeable battery type	12 V lead batteries 12 V calcium batteries 12 V LiFePO ₄ batteries	Acid, Gel, AGM
Battery capacity	from 30.0 Ah	AGM, SLA/Gel, Lithium and Calcium/Boost mode
Cut-off-voltage	14.4 V ± 0.25 V 14.4 V ± 0.25 V 14.7 V ± 0.25 V 16.0 V ± 0.25 V	Lithium mode SLA/Gel mode AGM mode Calcium/Boost mode
General		
Reverse current	< 0.5 mA	
Protection type	IP 20	
Cable length	1.70 m (mains cable) 1.60 m (connection cable incl. adapter)	
Dimensions	242 x 102 x 60 mm	
Weight	960 g	
Article no.	331600	

Recommended application



Delivery content

- Battery Charger SH-3.160 with battery clamps
- Instruction manual in DE, GB



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