



Included in delivery content



Professional charger for workshops and for private use

The fully automatic Battery Charger SH-3.150 is designed for professional use in workshops as well as diverse use at home. 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).

A special regeneration mode is used to reactivate even deep discharged batteries. The integrated float charging phase ensures that the state of charge is constantly monitored and optimally recharged when required.

Due to its robust, jet-water-protected and dust-tight housing (IP 65), the charger can also be used safely and reliably outdoors in rain or snow.

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
- Easy operation with one button
- Float charging phase – always guarantees immediate operability
- Protection against short circuit, reverse polarity and overcharging
- Robust, jet-water-protected and dust-tight housing (IP 65)
- Clear operation and display panel
- Practical mounting rail
- Easy to connect and exchange: 2-piece adapter cable set with convenient quick-contact plug

Charging modes – optimally and gently charged at all times

Moreover, the Staudte Hirsch professional charger SH-3.150 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 20 Ah	10 A	14.7 V
SLA/Gel	12 V lead-acid batteries 12 V lead-gel batteries	from 20 Ah	10 A	14.4 V
Lithium	12 V LiFePO ₄ batteries with BMS	from 25 Ah	10 A	14.4 V
Calcium/Boost	12 V calcium batteries 12 V lead-acid batteries	from 25 Ah from 20 Ah	10 A	16.0 V

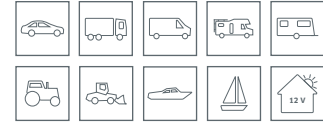


The battery charger has an auto-memory-function. Following a supply voltage failure, it ensures that the device will automatically return to the previously selected mode after power is restarted.

Technical data

Input		
Operation voltage	220 - 240 V AC, 50/60 Hz	
Input current	max. 1 A	
Power consumption	175 VA	
Output		
Suitable battery voltage	12 V	
Charging current	max. 10.0 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 20.0 Ah from 25.0 Ah	AGM, SLA/Gel mode Lithium, 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 65 (charger) IP 44 (adapter cable set)	
Cable length	1.70 m (mains cable) 1.60 m (connection cable incl. adapter)	
Dimensions	242 x 102 x 60 mm	
Weight	850 g (without accessories) 970 g (with accessories)	
Article no.	331500	

Recommended application



Delivery content

- Battery Charger SH-3.150
- Adapter cable with battery clamps
- Adapter cable with eyelet rings
- Instruction manual in DE, GB

Optional accessory:

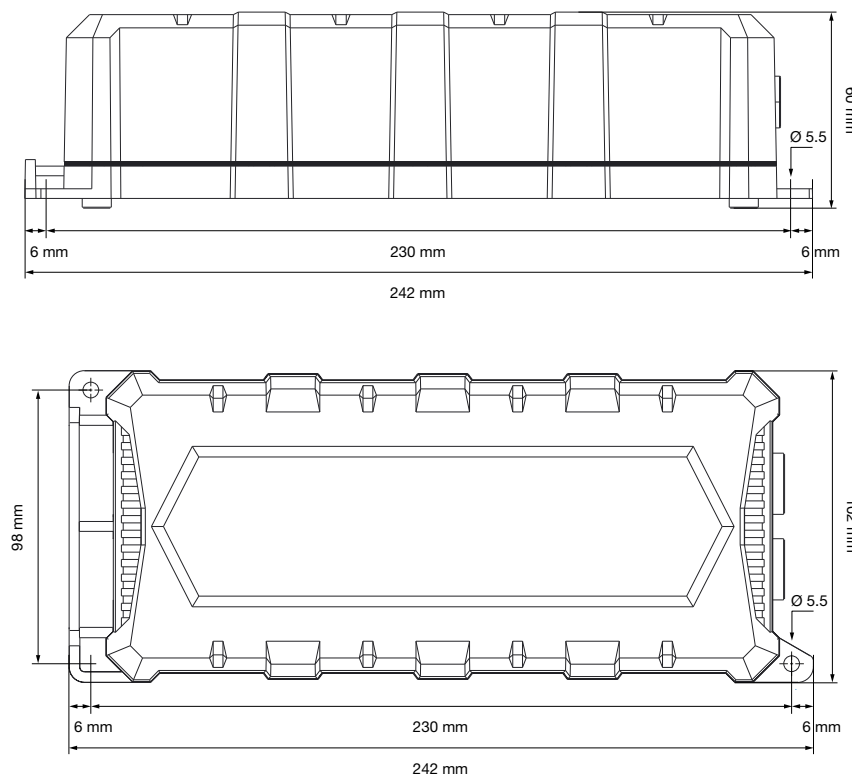


Adapter cable with 12 V car plug
Order no. 911000.Kfz

Adapter cable with battery clamps
Order no. 911000.K

Adapter cable with eyelet rings
Order no. 911000.O

3-piece adapter cable set
Battery clamps, eyelet rings,
12 V car plug
Article no. 911000.A



Staudte Hirsch
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