



elektrosistem



HIGH FREQUENCY MONOPHASE BATTERY CHARGER

CB 350 HF

FEATURES

CB 350 HF battery charger is a modern device offering reliability, efficiency and versatility. Thanks to a software including many different charging curves it is suitable to recharge lead acid flooded, gel and AGM batteries.

6 charging curves are available and can be customized, each curve includes max. 6 phases. Curves can be selected through a push button, when the charger is switched on the last curve is automatically repeated. Special charging curves according to the application can be sent by e-mail and loaded into the charger software through the USB-2006 interface cable.

The compact size of CB 350 HF offers easy installation on the vehicle, and makes it possible to recharge the battery from all operating positions. In addition the battery charger is equipped with a lockout relay for installation on the vehicle.

CB 350 HF starts charging the battery even when the voltage level is very low or near to 0V.

The output power is independent from mains voltage change.

The charger is equipped with 3 status LEDs:

- Red : mains presence.
- Yellow : constant voltage phase started; 80% of the charge.
- Yellow/Green : equalization phase started.
- Green : charging ended.

On request LED operation sequency can be modified and customized to comply with the operation of 2-LED remoted indicators. The battery charger is equipped with an output connector to remote LEDs using an indicator.

When the battery is fully charged the fan is stopped and no voltage is absorbed from the battery.

The charger is equipped with a filter to comply with EMC standards.

TECHNICAL SPECIFICATIONS

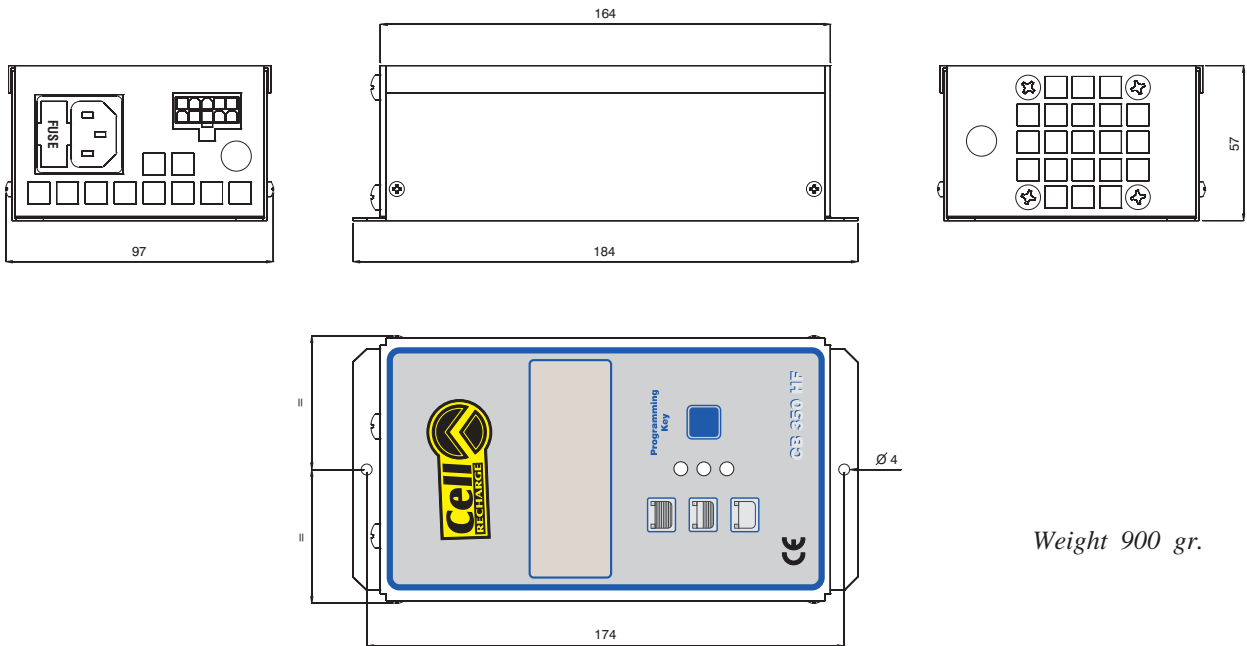
- Input voltage 110VAC +/-15% 230VAC +/-15%
- Input frequency 50-60 Hz
- Constant power
- Operating frequency 30-250 Khz
- 3 status LEDs
- Operating temperature -20 / +40 °C
- Input fuse rating: 5A, delayed
- Galvanically isolated input and output
- Reverse polarity protection (static)
- Output short circuit protection (static)
- Cooling through forced ventilation
- IP20 protection
- Complies with EC standards



MODELS

Voltage	Current	Constant power	Fan
12V	12A	150W	yes
24V	12A	300W	yes
24V	6A	150W	no
48V	6A	300W	yes

DIMENSIONS



Weight 900 gr.

WIRING DIAGRAM

IMPORTANT !!!
First connect the battery and then the mains to prevent damage to the charger

