



elektrosistem



HIGH FREQUENCY MONOPHASE BATTERY CHARGER

CB 1000 HF



FEATURES

CB 1000 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 1000 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.

The output power is independent from mains voltage change.

CB 1000 HF starts charging the battery even when the voltage level is very low or near to 0V.

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

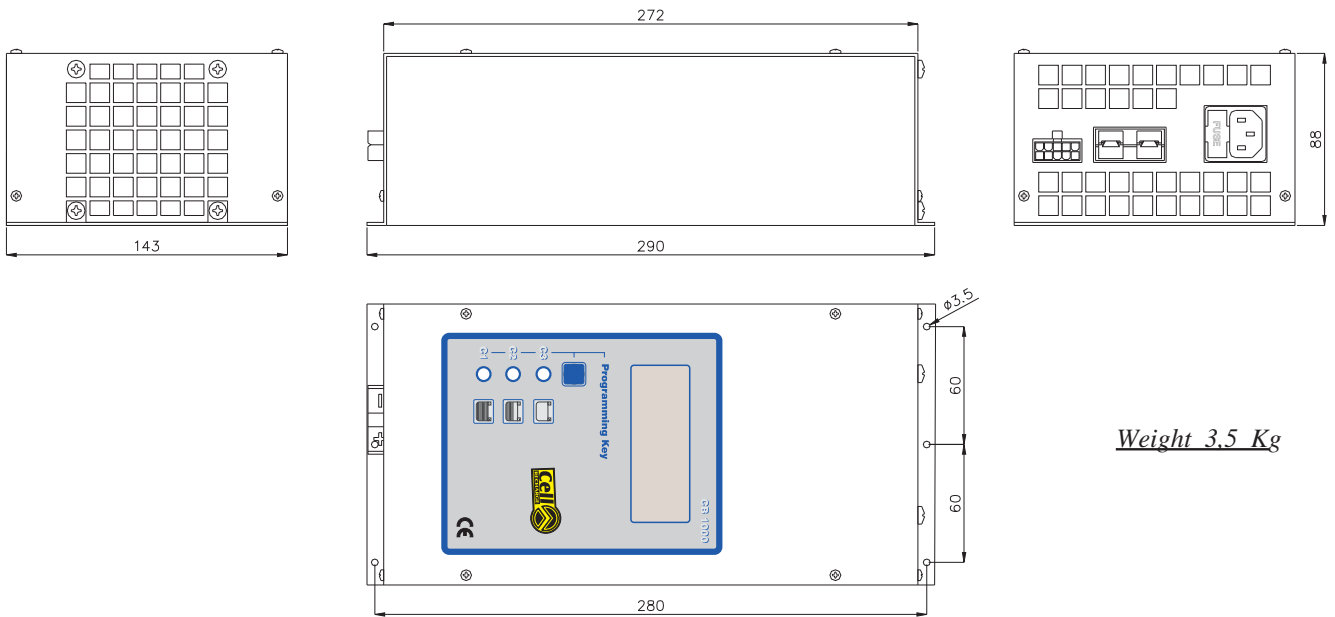
- Input voltage 110VAC +/-15% 230VAC +/-15%
- Input frequency 50-60 Hz
- Constant current
- Operating frequency 48 KHz
- 3 status LEDs
- Operating temperature -20 / +40 °C
- Input fuse rating: 16A, delayed
- Galvanically isolated input and output
- Reverse polarity protection through fuse
- Output short circuit protection (static)
- Cooling through forced ventilation
- IP20 protection
- Complies with EC standards



MODELS

Voltage	12V	24V	36V	48V	72V	80V	84V	96V	120V
Current	40A	40A	28A	22A	15A	13A	12A	11A	9A

DIMENSIONS



Weight 3.5 Kg

WIRING DIAGRAM

