

CBHF2 HIGH FREQUENCY BATTERY CHARGER



CBHF2 CARICA BATTERIE AD ALTA FREQUENZA

Technical Features:

- **High frequency** system with advanced technology.
- **Charging process fully controlled by microprocessor.**
- **Efficiency > 90%.**
- Insensitive charge parameters of the $\pm 15\%$ AC input line voltage variations.
- Visualization on a lit display of the charging current, of the battery voltage,
- of the charging time, of the charge supplied in Ah and of the energy absorbed in KWh.
- Possibility to change the charging curve by means of dipswitches, choosing from 16 standard pre-programmed curves for lead-acid, Gel and AGM batteries. Any other curve available on request for all type of batteries (Li-Ion and Li-Po included).
- dV/dt adaptive charging profile available under request for Wet lead-acid traction batteries.
- Possibility to change the battery voltage and the charging current by means of dipswitches.
- Charging process starting in the "soft start" mode and automatic reset upon connection of a new battery.
- Alphanumeric signals of possible anomalies.
- Output ripple at maximum load lower than 100mV.
- Compensation of the voltage drop on the connecting cables to the battery.
- Charge cycle begins with batteries as low as 2V.
- Protection against polarity inversions, short circuits, over-voltages or anomalies.
- Thermal protection against overheating.
- Equipped with NC (normally closed) relay for safety interlock connections (available only for on-board installation).
- Operating temperature: $-10^{\circ}\text{C} \div +45^{\circ}\text{C}$ ($14^{\circ}\text{F} \div 113^{\circ}\text{F}$).
- Maximum relative humidity: 90%.
- International Protection Rating IP30 with forced ventilation.
- Self-extinguishing case made of UL94-V0 ABS with double insulation.
- Remote 3-LED (red,yellow and green) of recharge (optional) with
 - 3-LED board (code: SKLED)
 - 3-LED 18mm diameter round remote indicator (code: LBF318EZ)
 - 3-LED 22x30mm squared remote indicator (code: LBF3QEZ)
- The information relevant to the last 30 charging cycles (the duration of the charging cycle, the Ah's delivered by the battery, the voltage at the end of the charge and the possible error messages) can be downloaded in an excel file through a cable and a specific software available as an optional (code: SPEDATACABLEHF).

ON-BOARD or STAND-ALONE use

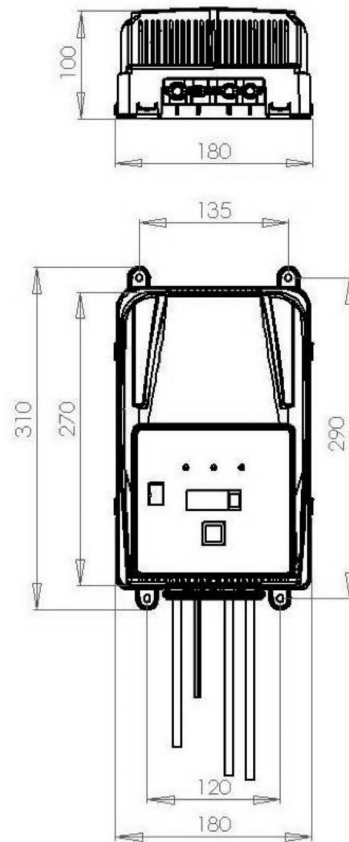
Lightweight

Compact

Customizable

Universal Input

HIGH FREQUENCY BATTERY CHARGERS CARICABATTERIA AD ALTA FREQUENZA



Dimensions in mm

Dimensions: 180x310x100 mm (7.08x12.02x3.93 in.) LxWxH
Weight: 2.2 Kg (4.85 lbs)
Protection: IP30

MODEL	BATTERY VOLTAGE	CHARGING CURRENT	BATTERY RANGE (5Hr Rate)		BATTERY RANGE (20Hr Rate)
			8-9 hours charging time	10-12 hours charging time	10-12 hours charging time
CBHF2 12-15	12V	15A	80 ÷ 110	100 ÷ 150	130 ÷ 185
CBHF2 12-20	12V	20A	95 ÷ 120	120 ÷ 195	150 ÷ 240
CBHF2 12-25	12V	25A	120 ÷ 160	180 ÷ 258	220 ÷ 315
CBHF2 12-30	12V	30A	145 ÷ 180	200 ÷ 280	245 ÷ 350
CBHF2 24-15	24V	15A	80 ÷ 110	100 ÷ 150	130 ÷ 185
CBHF2 24-20	24V	20A	95 ÷ 120	120 ÷ 195	150 ÷ 240
CBHF2 24-25	24V	25A	120 ÷ 160	180 ÷ 258	220 ÷ 315
CBHF2 24-30	24V	30A	145 ÷ 180	200 ÷ 280	245 ÷ 350
CBHF2 36-15	36V	15A	80 ÷ 110	100 ÷ 150	130 ÷ 185
CBHF2 36-20	36V	20A	95 ÷ 120	120 ÷ 195	150 ÷ 240
CBHF2 36-25	36V	25A	120 ÷ 160	180 ÷ 258	220 ÷ 315
CBHF2 48-15	48V	15A	80 ÷ 110	100 ÷ 150	130 ÷ 185
CBHF2 48-20	48V	20A	95 ÷ 120	120 ÷ 195	150 ÷ 240

Input voltage: 230Vac +/-15% 50-60Hz (Europe/UK version)