



CBHF4

Technical Features:

- **High frequency** system with advanced technology.
- Charging process fully controlled by microprocessor.
- Visualization on a LCD 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 a SMARTCARD, choosing from curves for typical lead-acid, Gel and AGM batteries. Any other curve available on request.
- Possibility to change the battery voltage and the charging current by means of a SMARTCARD.
- Charging process starting in the "soft start" mode and automatic reset upon connection of a new battery.
- Protection with an output relay against polarity inversions, short circuits, over-voltages or anomalies.
- Alphanumeric signals of possible anomalies.
- Charging parameters are insensitive to AC input line voltage variations (-15%+10%).
- Efficiency > 85%.
- Output ripple at maximum charge lower than 100mV.
- Automatic compensation for voltage drop in the battery cables.
- Charge cycle begins with batteries as low as 2V.
- Thermal protection against over heating.
- NC relay for safety interlock connection (optional)
- Forced ventilation with fans.
- Self-extinguishing case made of ABS.
- Bracket available for wall mounting

Onboard or Standalone

Lightweight

Compact



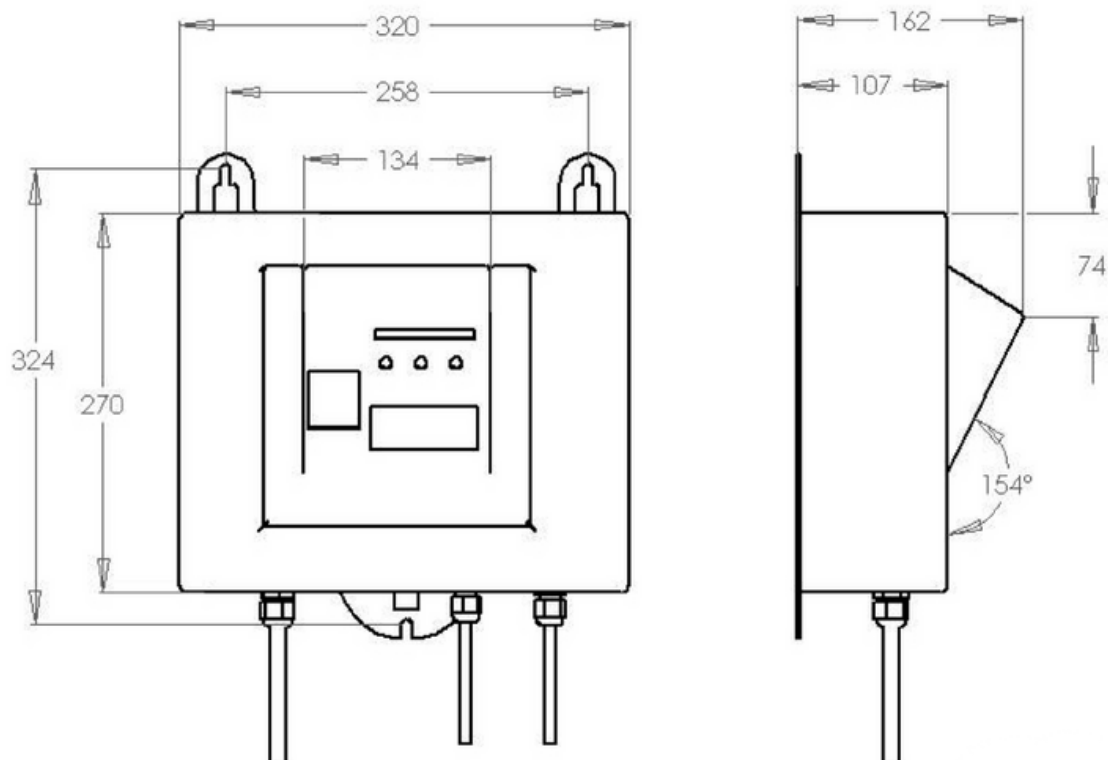
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CBHF4



Protection: IP30

320x270x160 mm
7.5 Kg

Dimensions in mm

MODEL	BATTERY VOLTAGE	CHARGING CURRENT	INPUT VOLTAGE	BATTERY RANGE	
				(5h)	(20h)
CBHF4	12V	40A	230Vac -15%+10% 50-60Hz*	285÷361 Ah (5h)	335÷450 Ah (20h)
CBHF4	12V	50A	230Vac -15%+10% 50-60Hz*	345÷420 Ah (5h)	420÷540 Ah (20h)
CBHF4	12V	60A	230Vac -15%+10% 50-60Hz*	450÷520 Ah (5h)	560÷650 Ah (20h)
CBHF4	24V	40A	230Vac -15%+10% 50-60Hz*	285÷361 Ah (5h)	335÷450 Ah (20h)
CBHF4	24V	50A	230Vac -15%+10% 50-60Hz*	350÷420 Ah (5h)	420÷540 Ah (20h)
CBHF4	24V	60A	230Vac -15%+10% 50-60Hz	450÷520 Ah (5h)	560÷650 Ah (20h)
CBHF4	24V	65A	230Vac -15%+10% 50-60Hz	520÷580 Ah (5h)	650÷720 Ah (20h)
CBHF4	36V	35A	230Vac -15%+10% 50-60Hz*	255÷320 Ah (5h)	310÷390 Ah (20h)
CBHF4	36V	40A	230Vac -15%+10% 50-60Hz	285÷361 Ah (5h)	335÷450 Ah (20h)
CBHF4	36V	50A	230Vac -15%+10% 50-60Hz	350÷420 Ah (5h)	420÷540 Ah (20h)
CBHF4	36V	53A	230Vac -15%+10% 50-60Hz	420÷480 Ah (5h)	540÷600 Ah (20h)
CBHF4	48V	40A	230Vac -15%+10% 50-60Hz	285÷361 Ah (5h)	335÷450 Ah (20h)
CBHF4	48V	43A	230Vac -15%+10% 50-60Hz	320÷400 Ah (5h)	360÷500 Ah (20h)

* Models available, on request, with 115V -15%+10% 60Hz input voltage for USA and Canada and with 100Vac -15%+10% 60 Hz for Japan.



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