



elektrosistem



RESONANT HIGH FREQUENCY BATTERY CHARGER MODEL

CB 250 HF CB 500 RI

BATTERY CHARGER MOD. CB-250HF FOR LEAD-ACID BATTERIES

FEATURES

Charging is made with decreasing current till a voltage of about 30V, over this value an electronic adjustment of output voltage keeps it constant at 30V. In this way the battery can be left connected for a longer time than that necessary for its charging without being damaged.

The battery charger is equipped with two leds indicating the running mode:

- Red led: charging
- Green led: charging end (the led becomes gradually green till charge is completed).

A filter for electromagnetic emissions is fitted on the equipment, but in order to comply with electromagnetic compatibility directives the assembling of an external filter is necessary.

TECHNICAL SPECIFICATIONS

	CB-250HF/10A	CB-250HF/16A
- Input voltage 110V or 220V +/-10%		
- Adjustable output voltage		
- Charging current with input 220V and output 48V	5A	8A
- Charging current with input 220V and output 25V	10A	16A
- Charging current with input 220V and output 12.5V	14A	
- Running frequency 66 KHz		
- Mode indication by means of 2 leds		
- Running temperature 0 - 40 °C		
- Input delayed fuse 5A		
- Input and output galvanically insulated		
- Protection against polarity inversion by means of a fuse		
- Output protection against short circuit by means of a fuse		
- Cooling by means of forced ventilation		

MECHANICAL CLEARANCES

**See CB-250HF for nickel-cadmium batteries



BATTERY CHARGER MOD. CB-250HF FOR NICKEL-CADMIUM BATTERIES

FEATURES

A microprocessor logic that controls and optimises charging has been applied to the equipment in order to guarantee a longer life of batteries. It is moreover possible to fit a thermal sensor directly on the battery in order to guarantee that charging occurs in the temperature range advised by manufacturers (5°C/40°C).

The battery charger is equipped with three leds indicating the running mode:

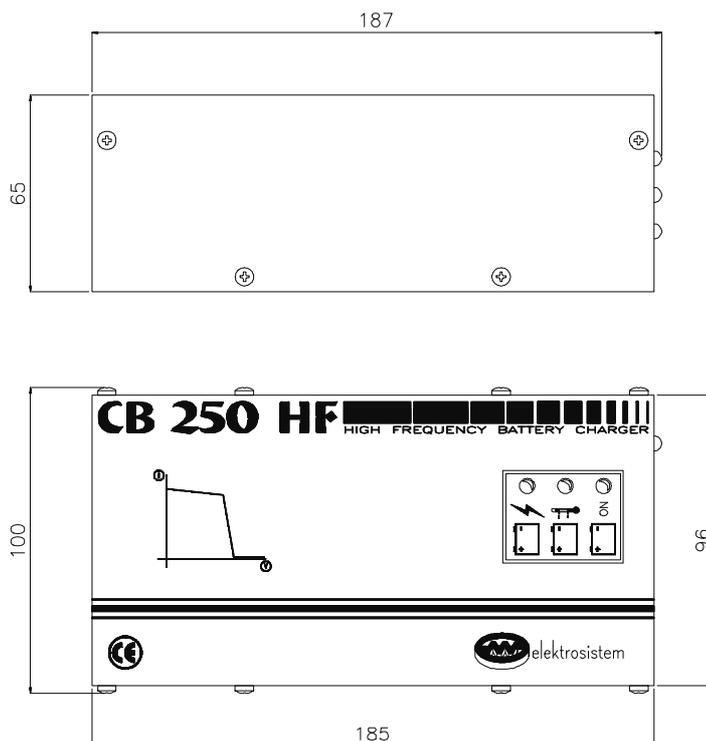
- Red led: charging.
- Yellow led: charging is interrupted, battery temperature is not correct.
- Green led: charging end (the led becomes gradually green till charging is completed).

TECHNICAL FEATURES

	CB-250HF/10A	CB-250HF/16A
- Input voltage 110V or 220V +/-10%		
- Output voltage for batteries at 24V		
- Charging current with input 220V and output 25V	10A	16A
- Operation frequency 66 KHz		
- Charging controlled by microprocessor		
- Mode indication by means of 3 leds		
- Operation temperature 0 - 40 °C		
- Battery temperature control by means of a probe (optional)		
- Input delayed fuse 5A		
- Input and output galvanically insulated		
- Protection against polarity reversal by means of a fuse		
- Cooling through forced ventilation		
- Filter for elimination of interferences to the network		

MECHANICAL CLEARANCES

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BATTERY CHARGER MOD. CB-500RI

FEATURES

Charging is made with constant current. When charging end voltage has been reached, current decreases till the minimum value, keeping batteries at a constant voltage.

The battery charger is equipped with three leds indicating the running mode:

Red led: charging (this led becomes red as soon as batteries are connected to the battery charger even if the charger is not connected to the power supply).

Yellow led: charging beginning at constant voltage.

Green led: charging end (the led becomes gradually green till charging is completed).

A filter for electromagnetic emissions is fitted on the equipment, but in order to comply with electromagnetic compatibility directives the assembling of an external filter is necessary.

TECHNICAL FEATURES

- Input voltage 110V or 220V +/-10%
- Output voltage 12V or 24V (48V on request)
- Charging current with input at 220V
- Charging end current
- Current supplied in short circuit
- Max. supplied power at 12 VDC
- Max. supplied power at 24 VDC
- Max. supplied power at 48 VDC
- Operation frequency 50Khz
- Efficiency 88%
- Mode indication by means of 3 leds
- Input and output galvanically insulated
- Filter for elimination of interferences to the network
- Protection against polarity reversal by means of a fuse
- Cooling through forced ventilation
- Operation temperature 0 - 40°C
- Input fuse 6.3A

	CB-500RI/25A	CB-500RI/50A
	25A (12,5A)	50A (25A)
	<1A	<1.5A
	30A (15A)	60A (30A)
	350W	700W
	700W	1400W
	700W	1400W

MECHANICAL CLEARANCES

N.B. The data in brackets refer to the model CB-500RI/50A

