



## Battery Charger CB01

CB01 is a device designed to recharge the batteries contained in the radio modem RM01. This function is provided also by the dataloggers DL01 / DL02, however, if the measurement system uses a large number of nodes, can be useful to use one or more CB01 devices to recharge the batteries all at once.

The charger CB01 is equipped with three independent slots and can recharge 3 batteries at the same time.

To recharge the battery of a RM01 device, simply insert the module into any of the three slots provided. The lithium polymer battery contained in the radio modem requires a great accuracy in voltage and current during the charging so that its high performance may remain unchanged over time. For the reasons outlined above, in this device all charging phases are handled automatically by a microprocessor in order to ensure a speedy and secure operation.

Each slots is equipped with a red LED indicator that provides information on the state of charge using the following encoding:

LED off: battery charger off (no current flows into battery).

LED on: constant current charge (initial phase of charging).

LED slow blinking: constant voltage charge (final phase of charging).

LED fast blinking: alarm; the full charge state of the battery was not reached after 2 ½ hours. The charger is turned off.

The power supply required by the charger is compatible with the AC mains adapter supplied with the datalogger.

If the CB01 is turned off with the radio module into its slots, the charger circuit is automatically disabled and will not absorb current from the batteries connected.



## Ordering codes:

Codice	Sigla	Descrizione
8802800	CB01	CB01 Battery Charger
8800006	-	AC power supply, 12V/0.3A

## Technical specifications

### CHARGER SLOTS / RADIO MODEM

3 (can be used simultaneously)

### NUMBER OF CHARGING DOCKS

3 (simultaneously operating)

### POWER SUPPLY (12V $\pm$ 30%)

12 Vdc / 10mA (empty docks)  
+ 130 mA max (all docks operating)

### FEATURES

- Automatic charging slopes managing
- Charging battery status indicator
- Safety charge timeout

### TEMPERATURE RANGE

-10°...50°C working (RH max 85% at 25°C)  
-30°...60°C storage

### DIMENSIONS

130 mm x 65 mm x 35 mm

### WEIGHT

~100 g