



CCR CHARGE REGULATOR

The **CCR charge regulator** is a completely solid state regulator and therefore can guarantee a considerable reliability and a very long life.

The main characteristics of the **CCR charge regulator** are:

-Working thresholds - each battery has its own working current. The CCR charge regulator, thanks to an internal micro-processor, can be adapted to all different kinds of lead or sealed batteries.

-Temperature compensation – the maximum charge thresholds of a battery vary according to temperature. The CCR charge regulator holds a thermal probe that regulates automatically the thresholds according to the ambient temperature thus getting the best from the batteries and considerably increasing the efficiency of the system.

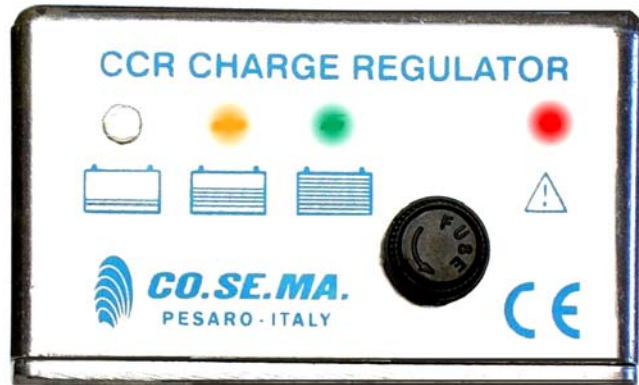
When a **CCR charge regulator** is used in a photovoltaic system (solar panel – charge regulator – batteries – lantern) no special technical arrangements are required, it is only advisable to proceed as follows:

- 1 –connect lantern to charge regulator
- 2 –connect the charge regulator to the batteries and verify that the lantern is functioning
- 3 –connect the photovoltaic modules to the charge regulator.

The **CCR charge regulator** is protected against reverse polarity on the battery by means of diodes; the eventual error in wiring causes the fuses to burn out.

The reverse polarity between the charge regulator and solar panel is indicated by the red LED flashing.

The **CCR charge regulator** is housed in a IP65 marine grade aluminium box that assures its correct functioning in the most hostile environment.



TECHNICAL DATA	
Nominal voltage (V)	12
Max. continuous loading current (A)	7
Max. recharge current (A)	10
Max. discharge current (A)	5
Current at end of charge (green LED on) (V)	14.2* 14.0**
Current at reinsertion solar panels (yellow LED on) (V)	12.7
Current at end of discharge (red LED on) (V)	11.2* 11.7**
Temperature compensation (mV/°C)	33
Working temperature range (°C)	-20 + 50
Weight (g)	700
Dimensions (mm)	90 x 115 x 57

* for lead batteries (Delphi)

** for sealed batteries (Dryfit)