

## CM series (4 – 10 A)

Solar Charge Controllers



- Charging display with LED
- Large terminals (up to 16mm<sup>2</sup>)
- PWM-regulation
- Boost & float charging method
- Solid-state overvoltage protection
- Reverse polarity protection

The CM charge controller is especially for use in small solar systems where no load disconnect is required, as in yachts, caravans, etc.

The charging regime provides best battery treatment at reasonable cost. The electronic circuit is equipped with a microcontroller that provides high-efficiency charging technology.

| Type   | CM 04  | CM 10 |
|--|--|-------|
| System voltage   | 12 V   |       |
| Max. charge current  | 4 A  | 10 A  |
| Float charge   | 13.7 V   |       |
| Boost charge   | 14.5 V<br>activation: battery voltage < 12.2 V |       |
| Max. panel voltage<br>(Overvoltage protection by varistor) | 30 V   |       |
| Max. self consumption                                      | 4 mA   |       |
| Grounding  | positive grounding possible                    |       |
| Ambient temperature  | -40 to +50 °C                                  |       |
| Max. height  | 4,000 m above sea level                        |       |
| Battery type   | lead acid (GEL, AGM, flooded)                  |       |
| Wire cross section   | < 16 mm <sup>2</sup>                           |       |
| Weight   | 68 g   |       |
| Dimensions (W x H x D)                                     | 72.6 x 61 x 30.4 mm                            |       |
| Type of protection   | IP22   |       |