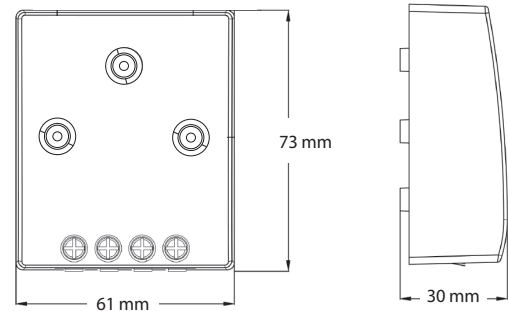


CM Series (4-10 A)

Solar Charge Controller for Low Power Applications



Technical Drawing



Product Introduction

The CM series is an economic solution for preventing battery overcharging in low-power systems. It is simple, compact and easy to use and install.

CM series features a 2-stage PWM charging algorithm that supplies an even charge across all battery cells which lengthens battery lifespan. One green LED states when the CM controller is charging and reducing current via PWM.

Product Features

- LED charging display
- Large terminals up to AWG 6/16 mm²
- Two-stage PWM charging algorithm (boost & float charging)
- Reverse polarity protection
- Designed to work reliably and efficiently in small PV systems

Technical Data

| Type | CM04 | CM10 |
|---|--|------|
| System Voltage | 12 V | |
| Max. Charge/Load Current | 4 A | 10 A |
| Float Charge | 13.7 V | |
| Boost Charge | 14.5 V Activation: battery voltage < 12.2 V | |
| Max. Panel Voltage | 30 V | |
| Idle Self-Consumption | 4 mA | |
| Max. Panel Voltage (Overvoltage Protection) | 30 V | |
| Grounding | Positive grounded | |
| Ambient Temperature | -40 to +122 °F (-40 to +50 °C) | |
| Max. Altitude | 4,000 m above sea level | |
| Battery Type | Lead acid (gel, AGM, flooded) | |
| Wire Cross Section | AWG 6/16 mm ² | |
| Dimensions (WxHxD) | 61 x 73 x 30 mm / 2.4 x 3 x 1.2 in | |
| Weight | 0.07 kg / 0.15 lbs | |
| Ingress Protection | IP22 | |
| Warranty | 2 years | |