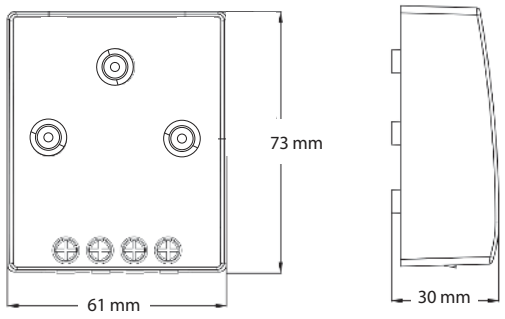
CM Series (4-10 A)

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 16 mm² (AWG 6)
- 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	
Overvoltage Protection	30 V	
Max. PV Panel Voltage	30 V	
Idle Self-Consumption	4 mA	
Grounding	Common Positive	
Ambient Temperature	-40 to +50 °C	
Max. Altitude	4,000 m above sea level	
Battery Type	Lead acid (gel, AGM, flooded)	
Max. Wire Cross Section	16 mm² (AWG 6)	
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	
Certificates	CE compliant, RoHS compliant	
Warranty	2 years	