

CM Series (4 - 10 A)

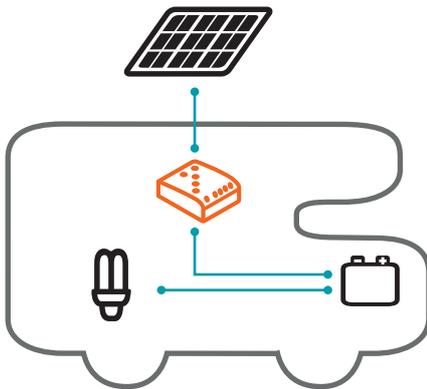
Solar Charge Controller



Simple, Cost-Effective Charging

- Ideal for 12V systems up to 180Wp
- Large wire terminals (up to AWG 6)
- Reverse polarity protected
- High-efficiency PWM charging

Optimized for low-power PV systems



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 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.

Simple

- The CM series was designed to work simply and efficiently in small PV systems

2-Stage Charging

- Operates a two-stage charging algorithm (boost and float charging)

System Protection

- Equipped with both electronic overvoltage protection and reverse polarity protection

Economic

- The CM charge controllers provide excellent battery charging at a reasonable cost

Application Examples

- RVs
- Boats
- Agriculture
- Weather Stations



Technical Data

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	
	Activation: battery voltage < 12.2 V	
Max. panel voltage (Overvoltage protection by varistor)	30 V	
Max. self-consumption	4 mA	
Grounding	Positive ground	
Ambient temperature	-40 to 122 °F (-40 to +50 °C)	
Max. elevation	13,000 ft (4,000 m) above sea level	
Battery type	Lead acid (GEL, AGM, flooded)	
Wire cross section	Up to 6 AWG (16 mm ²)	
Weight	2.4 oz (68 g)	
Dimensions (W x H x D)	2.9 x 2.4 x 1.2 in (72.6 x 61 x 30.4 mm)	
Type of protection	IP22	

