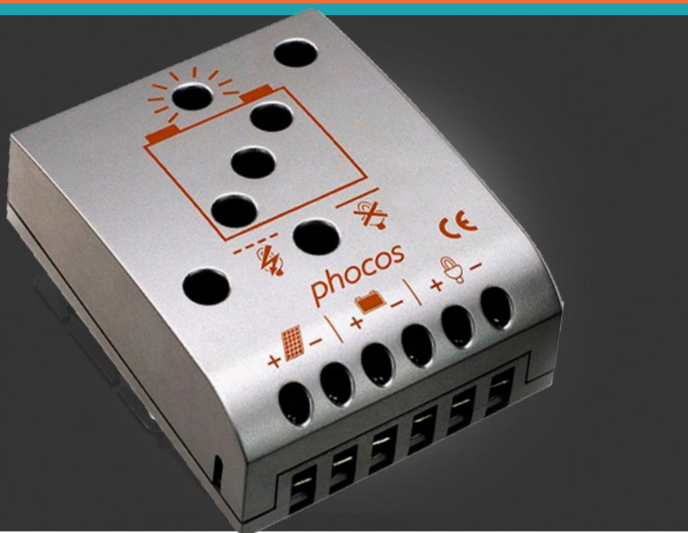


CML-5 Series (20 A)

Solar Charge Controller

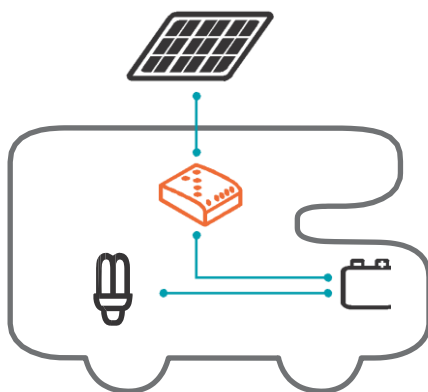
Simple, Cost-Effective Charging

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



CML-series load controllers are sophisticated controllers for low-cost applications. The internal electronic circuit is equipped with a microprocessor that provides a highly efficient load and a correct signaling of the state of the system and alarms. The charge regularization method (PWM) is fitted to the acid lead battery, Sealed or open. The state of charge of the batteries is clearly indicated by 3 LEDs. This is the first controller in the market that has an acoustic signal prior to the disconnection of consumption.

Optimized for low-power PV systems



- ✚ Indication of the state of charge of the batteries with 3 LED'S.
- ✚ Beep before power off.
- ✚ Pulse width modulation (PWM), of series type.
- ✚ Battery charging, equalization and float, also for VRLA batteries.
- ✚ Automatic detection of nominal voltage of 12 or 24V.
- ✚ Control with temperature compensation.
- ✚ Terminals for cables up to 16mm².
- ✚ Disconnection due to low battery voltage, voltage or charge state.
- ✚ Complete electronic protection.

Technical Data

Type	CM 20
System voltage	12 V
Max. charge current	20 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	20 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, ooded)
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

