

# CML Series Charge Regulator

The CML series is a sophisticated solar charge regulator family for low cost applications.

The electronic circuit is equipped with a microcontroller that provides high-efficiency charging technology together with a number of outstanding status display, warning and safety functions.

The temperature-compensated three-stage PWM charging method (boost - equalization - float) is now adjustable to sealed and vented lead-acid batteries.

The new version also allows an either SOC or voltage controlled low voltage disconnect function.

The battery status is clearly indicated by three LEDs.

As the first controller on the market in this price range it comes with an acoustic low voltage load disconnect pre-warning feature.

- Battery State-of-Charge display with 3 LEDs
- Charge status display
- Acoustic load disconnect pre-warning
- Load disconnect indication
- Load short circuit and overload indication
- PWM-regulation (series type)
- Boost, Equalize and Float charging, also for VRLA
- SOC and voltage controlled LVD
- Automatic 12 / 24 Volt detection
- Integrated temperature compensation
- Large terminals (up to 16mm<sup>2</sup> wire size)
- Fully electronically protected



TYPE	CML05	CML08	CML10	CML15	CML20
Max. module current	5A	8A	10A	15A	20A
Max. load current	5A	8A	10A	15A	20A
System voltage	12/24V				
Self power consumption	<4mA				
Dimensions(WxHxD)	80x100x32mm				
Type of protection	IP22				