



ECO-CM60 12/24V, 60A MPPT solar charge controller

Combining MPPT technology and DSP controller, ECO-CM60 will charge battery based on varied temperature. Compared to traditional solar charge controller, it allows your solar panels to operate at their optimum power output voltage, providing higher efficiency up to 98%, with lower power loss.

► Features

- > Intelligent Maximum Power Point Tracking technology
- > Build-in DSP controller with high performance
- > Automatic battery voltage detection (only for 600W and 3KW)
- > Battery temperature sensor (BTS) automatically provides temperature compensation (only for 3KW)
- > Three-stage charging optimizes battery performance
- > Auto load-detection
- > Multifunction LCD display with detailed information
- > Reverse polarity protection for solar panel and battery
- > Overcharge and overload protection
- > Suitable for different battery types

► Technical Characteristics

Model	ECO-CM60
• INPUT	
MPPT range at operating voltage (VDC)	60 ~ 115
Max PV array Voc (VDC)	145
Max PV array Power (W)	800 / 1600 / 3200
Max current (A)	50
• OUTPUT	
Nominal battery voltage (VDC)	12 / 24 / 48
Connected battery type	Sealed lead acid, AGM or GEL
Max charging current (A)	60
Max efficiency	98%
Charging method	Three stages: bulk, absorption, and floating
• PROTECTION	
Overload protection	> 110% : audible alarm
Overcharge protection	Yes
Reverse polarity protection (PV & battery)	Yes
• INDICATORS	
LCD panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current, and fault conditions
LED display	Three indicators for solar, charging, and load status
• PHYSICAL	
Dimension (mm)	315 * 165 * 128
Net weight (kg)	4.5
Type of mechanical protection	IP 31
• ENVIROMENT	
Humidity	5 ~95% RH (no condensing)
Operating temperature (°C)	0 to 55
Storage temperature (°C)	-15 to 60
Altitude	0 ~ 3000 m

* Specifications could be subject to change without any prior notice.

* ECO//SUN is not responsible for any print errors

*This version replaces all previous ones