

Solar Charge Controller – MPPT series

SCC-50AM-1248



Character:

- ◆ Battery charge management, state of charge information.
- ◆ Built-in Battery Energy Monitor tracks Power production and consumption to calculate the energy remaining in battery state of charge (SOC) is displayed in percent full, Amp-hours, Watt-hours, and 90days of energy-harvest history is stored in the solar charger.
- ◆ Continuous output Power Rating without de-rating at up to 50°C ambient temperature.
- ◆ Supports Flooded Lead Acid (FLA), GEL, and Absorbed Glass Mat (AGM) batteries, 2/3/4 Stage charging with adjustable set point.
- ◆ Wire the PV modules in series up to 112VDC normal (140VDC Max).
- ◆ Built-in temperature compensation function for safe and complete charging.

Description:

- ★ Optimal Solar Maximum Power Point Tracking
- ★ Solar Charge Controller
- ★ Can be paralleled (Max. 16 sets) at will, according to your demand.

Specifications:

Model No.	SCC-50AM-1248
Maximum output current (Continuous at up 50°C ambient temperature)	50 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	40 Amps
Input Voltage Range	16~112VDC Operating
	140VDC Maximum Open Circuit Voltage
Max PV Array Power	3250 Watts (Maximum when equalizing a 48V battery to 64V at 50 Amps)
Charge Regulation Modes	Bulk, Absorption, Float, Auto/ Manual Equalization
Battery Temperature Compensation	5.0 mV per°C, per 2 volt cell
DC to DC Conversion Capability	12V Battery: 16~112VDC
	24V Battery: 32~112VDC
	36V Battery: 48~112VDC
	48V Battery: 64~112VDC
Display Status	Built-in 2-line, 20-character LCD with backlight LCD status screen displays input voltage and current, output voltage and current, charge-mode, Battery SOC
Data Logging	Logs energy harvested for 90 days, LCD displays WH, KWH, AH
Energy Monitor	LCD shows SOC, AH, WH, and present charge or discharge current. A 50mV/ 500Amp shunt is required to use
Auxiliary Relays	Two independent relays with from A (SPST) contacts for control of external devices. Contact rating is 3 Amps, 50VDC
Operation Temperature	Full Power Output to +50°C ambient
Standby Power	< 2 Watts
Dimension	267.6 x 196 x 147 mm
Weight	4.3 Kgs