

Wind & Solar Charge Controller – MPPT Series

SCC-40AMW-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 192VDC normal (240VDC Max).
- ◆ Built-in temperature compensation function for safe and complete charging.

Description:

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

Specifications:

Model No.	SCC-40AMW-1248
Maximum output current (Continuous at up to 50°C ambient temperature)	40 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	30 Amps
Input Voltage Range	16~192VDC Operating
	240VDC Maximum Open Circuit Voltage
Max PV Array Power	2600 Watts (Maximum when equalizing a 48V battery to 64V at 80 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: 16~192VDC
	24V Battery: 32~192VDC
	36V Battery: 48~192VDC
	48V Battery: 64~192VDC
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 form 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