

Solar Charge Controller – MPPT series

SCC-80AM-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-80AM-1248 |
|--|---|
| Maximum output current (Continuous at up 50°C ambient temperature) | 80 Amps |
| Battery Voltages | 12,24,36,48 VDC Normal |
| Max PV Input Current | 70 Amps |
| Input Voltage Range | 16~112VDC Operating |
| | 140VDC Maximum Open Circuit Voltage |
| Max PV Array Power | 5200 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: 16~112VDC |
| | 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 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 | 414.8 x 225 x 147 mm |
| Weight | 7.1 Kgs |