

SCC-MPPT



Solar Charger Controller

3KW

Applications:



Solar Input



Flexible
installation



Battery
charger



CO² Free

98% Efficiency Solar Charger

SCC-MPPT Solar Charge Controller With advanced maximum-power-tracking technology, SCC-MPPT series ensures maximum performance from your solar array at all times and in all weather conditions.

GENERAL FEATURES

- Intelligent Maximum Power Point Tracking technology
- Built-in DSP controller with high performance
- 12/24/48V Automatic battery voltage detection when initial
- Battery temperature compensation support
- Three-stage charging optimizes battery performance
- Multifunction LCD displays detailed information
- Reverse polarity protection for solar panel and battery
- Overcharge protection
- Suitable for battery types of sealed lead acid, vented Gel, and NiCd

TECHNICAL SPECIFICATIONS

| MODEL | | SCC-MPPT 3KW | |
|---|--|--------------|--------|
| INPUT | | | |
| MPPT Range @ Operating Voltage | 60 VDC ~ 115 VDC | | |
| Maximum PV Array Open Circuit Voltage | 145VDC | | |
| Maximum PV Array Power | 800W | 1600W | 3200W |
| Maximum Current | 50 A | | |
| OUTPUT | | | |
| Nominal Battery Voltage | 12 VDC | 24 VDC | 48 VDC |
| Connected Battery Type | Sealed lead acid, AGM or Gel | | |
| Maximum Charging Current | 60 A | | |
| Maximum Efficiency | 98% | | |
| Charging Method | Three stages: bulk, absorption, and floating | | |
| PROTECTION | | | |
| Overload Protection | > 110% : audible alarm | | |
| Overcharge Protection | Yes | | |
| Polarity Reversal Protection@Solar Cell & 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, D x W x H (mm) | 315 x 165 x 128 | | |
| Net Weight (Kgs) | 4.5 | | |
| Type of Mechanical Protection | IP 31 | | |
| ENVIRONMENT | | | |
| Humidity | 5 ~ 95% RH (Non-condensing) | | |
| Operating Temperature | 0°C to 55°C | | |
| Storage Temperature | -15°C to 60°C | | |
| Altitude | 0 ~ 3000 m | | |

Product specifications are subject to change without further notice



Standalone Solar Power System:

Combined MPPT technology and DSP controller, FSP Solar charger controller will convert best voltage and power to charge battery based on varied temperature. Compared to traditional solar charge controllers, it allows your solar panels to operate at their optimum power output voltage, providing higher efficiency up to 98% with lower power loss.

Integrated FSP Solar charger controller with inverter, solar panel, and external battery packs, it can become a standalone solar power system to generate green power for your home appliances.

