



FEATURES:

- Intelligent Maximum Power point tracking technology
- Built-in DSPcontroller with high performance
- Automatic battery voltage detection
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protectionfor solar panel and battery
- Overcharge and overload protection
- IP 43 protection for outdoor and harsh environment
- Suitable for battery types of sealed lead acid, vented gel and NiCd

| MODEL | SCC-MPPT 3KW |
|---|--|
| INPUT | |
| MPPT Range | 60 VDC ~ 132 VDC |
| Maximum PV Array Open Circuit Voltage | 150VDC |
| Maximum PV Array Power | 3000W |
| OUTPUT | |
| Nominal Battery Voltage | 48 V |
| Connected Battery Type | Sealed lead acid, vented, Gel, NiCd battery |
| Maximum Charging Current | 60 A |
| Maximum Efficiency | 98% |
| Standby Power Consumption | 2W |
| Charging Method | Three stages; bulk, absorptions, and floating |
| PROTECTION | |
| Overcharge Protection | Yes |
| Polarity Reversal Protection @ Solar Cell & battery | Yes |
| INDICATORS | |
| LCD Panel | LCD panel indicating solar power, charging status, battery voltage, charging current, and fault conditions |
| LED Display | Three indicators for solar, battery, and wiring fault |
| PHYSICAL | |
| Dimension, D X W X H (mm) | 180 x 210 x 80 |
| Net Weight (kgs) | 1,28 kg |
| Connector | Input/Output terminal block |
| Type of Mechanical Protection | IP 21 |
| ENVIRONMENT | |
| Humidity | 0 ~ 90% RH (No condensing) |
| Operating Temperature | -20° C to 55° C |
| Storage Temperature | -40° C to 75° C |
| Altitude | 0 ~ 3000 m |