



MPPT Solar Charge Controller



SCC-MPPT-3KW

Features

- Intelligent Maximum Power Point Tracking technology
- Built-in DSP controller with high performance
- Automatic battery voltage detection
- Battery temperature sensor (BTS) automatically provides temperature compensation
- Three-stage charging optimizes battery performance
- Automatic load-detection
- Multifunctional LCD displays detailed information
- Reverse polarity protection for solar panel and battery
- Overcharge and overload protection
- Suitable for different battery types



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MODEL		SCC-MPPT-3KW	
INPUT			
MPPT Range @ Operating Voltage		60 VDC - 115 VDC	
Maximum PV Array Open Circuit Voltage		145 VDC	
Maximum PV Array Power	800 W	1600 W	3200 W
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, abs cv, floating		
PROTECTION			
Overload Protection	> 110% : audible alarm	N/A	
Overcharge Protection	Yes		
Polarity Reversal Protection @ Solar Cell & Battery	Yes		
INDICATORS			
LCD Display	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		
IP 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		

All information contained in this document is subject to change without notice.