

MPPT Solar Charge Controller PWM Solar Charge Controller

- Intelligent Maximum Power Point Tracking technology increases efficiency 25%~30%
- Compatible for PV systems in 12V, 24V or 48V
- Three-stage charging optimizes battery performance
- Maximum charging current up to 60A
- Maximum efficiency up to 98%
- Battery temperature sensor (BTS) automatically provides temperature compensation
- Support wide range of lead-acid batteries including wet, AGM, and gel batteries
- Multifunction LCD displays detailed information



- 12VDC or 24VDC available
- Two-stage charging method
- Lightweight design



SCC-MPPT 3KW Specification

MODEL	SCC-MPPT 3KW		
PV INPUT			
MPPT Range	60 VDC ~ 115 VDC		
Maximum PV Array Open Circuit Voltage	145VDC		
Maximum PV Array Power	800W	1600W	3200W
Maximum Input Current	50 A		
BATTERY			
Nominal Battery Voltage	12 V	24 V	48 V
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		
PHYSICAL			
Dimension, D X W X H (mm)	315 x 165 x 128		
Net Weight (kgs)	4.5		
Type of Mechanical Protection	IP 31		
COMMUNICATION			
Standard	RS-232 and Dry contact		
Optional	USB, Modbus and SNMP		
ENVIRONMENT			
Humidity	5 ~ 95% RH (No condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		

Product specifications are subject to change without further notice

PWM Solar Charge Controller Selection Guide

MODEL	SCC-PWM-120W	SCC-PWM-240W
INPUT		
Maximum PV Array Open Circuit Voltage	25 V	50 V
Maximum PV Array Power	120 W	240 W
Maximum Current	10 A	
OUTPUT		
Nominal Battery Voltage	12 V	24 V
Connected Battery Type	Sealed lead acid battery	
Maximum Charging Current	10 A	
Ripple Voltage	< ± 1 V	
Maximum Efficiency	99.0 %	
Charging Method	Two stages: bulk and floating 1 / floating 2	
INDICATORS		
LED Display	Green LED indicating charging status	
PHYSICAL		
Dimension, D X W X H (mm)	93 x 60 x 29	
Net Weight	160 g	
Connector	Input/Output terminal block	
Type of Mechanical Protection	IP 31	
ENVIRONMENT		
Operating Temperature	-20°C to 55°C	
Storage Temperature	-40°C to 75°C	
Altitude	0 ~ 3000 m	

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