



Off-grid: MPPT Solar Controller

SCC-30124/60124/3048/6048

MPPT (Maximum Power Point Tracking) Solar Controller offer an efficient, safe, multi-stage recharging process that prolongs battery life and assures peak performance from a solar array. Each Charge Controller allows customized battery recharging.



Features

- Tracking efficiency up to 99%
- Full range of electronic protection functions
- Ultra wide photovoltaic input voltage range, more convenient system configuration
- Intelligent battery management function, extending battery life
- It supports a variety of lead-acid batteries and lithium batteries, and users can customize the charging and discharging parameters



LCD



3-stage Charging



WiFi



Li-thium/Gel/
Lead-acid

Compatible Products



Residential Lithium Battery



Monitoring System

Specifications

Model	SCC-30124	SCC-3048	SCC-60124	SCC-6048
Capacity				
Rated Current	30A		60A	
PV Input				
Max. PV Input Power	12V system: 140W(10A)/280W(20A)/420W(30A)/560W(40A)/700W(50A)/840W(60A); 24V system: 280W(10A)/560W(20A)/840W(30A)/1120W(40A)/1400W(50A)/1680W(60A); 48V system: 560W(10A)/1120W(20A)/1680W(30A)/2240W(40A)/2800W(50A)/3360W(60A)			
Max. PV Input Voltage(Voc)	120V@12V/24V,180V@48V			
MPPT Voltage Range	12V system: 15V-80V; 24V system: 30V-100V; 48V system: 60V-140V			
Recommended Operating Voltage Range	12V system: 15V-30V; 24V system: 30V-60V; 48V system: 60V-90V			
Max. PV Current/Short Circuit Current	14A/17A		14A/17A	
Battery & Charger				
Battery Type	Lead acid battery/Lithium battery (Users can customize charging parameters for other types of batteries)			
Floating/Charge Voltage	13.8V/14.2V/Single battery			
Charging Mode/Method	MPPT maximum power point tracking/Three stages: CC(MPPT); CV; CF			
Protection	Over-voltage/under-voltage/over-temperature/Anti-reverse connection protection			
Communication with BMS	RS485			
Conversion Efficiency	>98%			
General Data				
Machine Size(L*W*H)	214*155*72.8 mm		238*180*82 mm	
Thermal Method	Cooling fan in intelligent control			
Type Of Mechanical Protection	IP20			
Operating Temperature	-15℃ ~+50℃			
Display	LCD+APP			
Standard Warranty	2 Years			