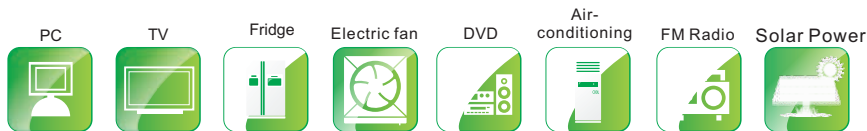


MPPT Solar charge controller



Optional



► Product snapshot:

Model: 12/24/48V

Nominal voltage: 220/230/240VAC

Nominal frequency: 50/60Hz

Applications:

Solar charge controller is mainly used for solar power station, home solar power system, solar street light control system, mobile solar power system, DC wind solar generating systems.

Key Features:

- Adopt advanced MCU microprocessor control technology.
- 12V/24V/48V self detect to choose output voltage.
- Advanced MPPT Technology, High converting efficiency higher than 97% for minimizing energy loss.
- Capable to parallel in output, to expand capacity easily.
- Reversed current protection at night, over voltage and reverse polarity protection.
- Capable of selecting different charging mode for various types of batteries.
- Capable of connecting additional DC load for wider applications.
- Three stage charge control system (bulk, absorption, and float mode) with optional temperature compensation
- LED indicators display charge status in real time, Optional LCD digital display.
- selectable external LCD display.
- Pulse Width Modulation (PWM) technology combined with a multi-stage charge control algorithm leads to superior charging and enhanced battery performance.

MPPT Solar charge controller series technical specification

MODEL	MPPT solar charger controller				
	SCC1240	SCC1260	SCC2440	SCC2460	SCC4840
Rated Voltage	12/24/48Vdc auto-detection				
Rated charge current (include load)	40Amp/60Amp				
Load current	15Amp				
Input voltage range	15-55Vdc				
Max. PV open circuit array voltage	55Vdc				
Overload protection (DC load)	2.0 * Inom > 5s				
	1.5 * Inom > 20s				
	1.25 * Inom temperature controlled				
Power consumption	< 10mA				
Bulk charge	14.6Vdc (default)		29.2Vdc (default)		58.4Vdc (default)
Floating charge	13.4Vdc (default)		26.8Vdc (default)		53.6Vdc (default)
Equalization charge	14.0Vdc (default)		28.0Vdc (default)		56Vdc (default)
Over charge disconnection	14.8Vdc		29.6Vdc		59.2Vdc
Over charge recovery	14Vdc		28Vdc		56Vdc
Over discharge disconnection	10.8Vdc (default)		21.6Vdc (default)		43.2Vdc (default)
Over discharge reconnection	12.3Vdc		24.6Vdc		49.2Vdc
Temperature compensation	-13.2mV/°C		-26.4mV/°C		-52.8mV/°C
Lead acid battery settings	Adjustable				
NiCad battery settings	Adjustable				
Load control mode	1. Low Voltage Reconnect (LVR): Automatic				
	2. Low Voltage Disconnect (LVD): Automatic				
	3. Reconnection: warning flash before disconnect and reconnection				
Low voltage reconnect	12.0-14.0Vdc		24.0-28.0Vdc		
Low voltage disconnect	10.5-12.5Vdc		21.0-25.0Vdc		
Ambient temperature	0-40°C (full load) 40°C-60°C(de-rating)				
Altitude	Operating 5000 m, Non-Operating 16000 m				
Protection class	IP21				
Cooling	Natural cooling				
Terminal size (fine/single wire)	#8 AWG				
Dimension(L*W*H)	192X140X66mm				

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.