

# MPPT SCC

## Solar Controller

series 40A/60A/80A/100A



**MPPT**  
Advanced MPPT technology,fast and stable track the Maximum Power Point, tracking accuracy 99.00%.

**Synchronous**  
Adopt Synchronous Rectifier Technology,signifi-cantly improve the transfer efficiency of circuit,maximum 97.00%.



**Voltage identification**  
12/24/48VDC system voltage automatic recognition.



**LCD displaying**  
Humanized LCD displaying,dynamic display operation data and working state.

**Temperature compensation**  
Temperature Compensation Function.

MODELS	SCC40A 100V	SCC60A 150V	SCC80A 200V	SCC100A 200V
Battery Type	GEL(default),FLD,LiO and USE			
Battery Input Voltage Range	9~15VDC/18~30VDC	9~15VDC/18~30VDC/36~60VDC		
Reted Charge Current	40A	60A	80A	100A
Reted Output Current	20A	20A	40A	40A
Display	LCD			
Max PV Voc	<100V	<150V	<200V	
Nominal System Voltage	12V/24V(auto)	12V/24V/48V(auto)		
Max efficiency	97.00%			
MPPT Efficiency	99.00%			
Cooling	Natural(without Fan)			
Self-consumption	≤200mA(12v) ≤100mA(24v)	≤300mA(12v); ≤150mA(24v); ≤100mA (48V)		
Temperature compensation	-3mv/° C/2v(Default)		-4mv/° C/2v(Default)	
Rlative Humidity	≤90%, N.C			
Enclosure	IP20			
Communication Interface	RS232			
Grounding	Positive			
Operating Temperature	-20~55° C(environment 50° C Max current 2 hours no derating)			
Dimension	230*78*128	251*83*228		
Netweight	2.0Kg	4.0Kg		
Warranty	3 Years			
Optional accessories	Wi-Fi/Bluetooth			
<b>VOLTAGE</b>				
MPPT Voltage Range	15~80VDC/30~80VDC	15~130;30~130;60~130/VDC	15~170VDC/30~170VDC/60~170VDC	
Equlization Voltage	15V/30V	15V/30V/60V		
Boost Voltage	14.4V/28.8V	14.4V/28.8V/57.6V		
Float Voltage	13.9V,/27.8V	13.9V,/27.8V/55.6V		
Reconnect voltage	12.5V,/25.0V	12.5V,/25.0V./50.0V		
Disconnect voltage	11.5V,/23.0V	11.5V,/23.0V/46.0V		

● Solar Energy System Wiring Diagram

