

12V/24V Series :

Model	SCM2420	SCM2430	SCM2440	SCM2450
PV INPUT				
PV System Power (W)	250/500W	380/750W	500/1000W	750/1500W
PV System Max Output Current (A)	20A	35A	45A	50A
MPPT Working Voltage Range (VDC)	18V-30V for 12V standard battery group; 30V-80V for 24V standard battery group			
PV System Max Voltage (VDC)	90V(the PV panel output max voltage)			
Recommend PV System Output Voltage (VDC)	20V for 12V battery group /40V for 24V battery group			
PV Input Reverse Protection	Yes			
Output Charging Data				
Output Voltage Type	12V/24V Automatic Recognize			
Output Voltage Range (VDC)	for 12V battery(10.8V-14.1V) / for 24V battery(21.6V-28.2V)			
Output Over Voltage(VDC)	For 12V battery(15VDC) / for 24V battery(30VDC)			
Output Current (A)	20A	30A	40A	50A
Over Output Current Protection (A)	21-24A	31-34A	41-44A	51-54A
Output Revers Protection	Yes			
Output Short Circuit	Yes			
Other Parameter				
PV Convert Efficient	≥96.0%			
MPPT Tracking Efficient	≥99.5%			
Standby Power (W)	≤10W			
Noise dB(A)	≤55			
Radiating	Force cooling by fan, the fan on/off controlled by the temperature			
Ingress Protection	IP20			
Communication	RS485(optional)			
Display	LCD+LED			
Data Record	200 records			
Running Temperature (°C)	-20 ~ 55°C			
Storage Temperature (°C)	-40 ~ 70°C			
Relative Humidity	0~95%, no condensation			
Working Altitude (m)	<3000m (over 3000m, every increase 500, the output will decrease 10%)			