



# MPPT Solar Charge Controller



## SC-M Series



### Main Features

- Industrial-grade Micro Processor Control
- 12V,24V and 48V can be adaptive
- Built-in maximum power point tracking algorithm, the charging efficiency is 15%-20% higher than PWM mode
- With the charging overcurrent protection function, the controller will automatically reduce the charging current
- With the Solar reverse polarity protection
- With the Overtemperature protection
- With DC power supply function, can be connected DC energy-saving lamps
- Wall hanging case
- Application for off-grid solar power system



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## TECHNICAL PARAMETER

MODEL	SC-M-20A	SC-M-30A	SC-M-40A	SC-M-50A	SC-M-60A	SC-M-80A	SC-M-100A	SC-M-120A
<b>P.V. Input Features</b>								
Input P.V. Range(Vdc)	165VDC MAX							
Solar Charge Current(A)	20A Max	30A Max	40A Max	50A Max	60A Max	80A Max	100A Max	120A Max
<b>Solar Charging Features</b>								
Normal Battery Voltage(Vdc)	12/24/48VDC							
Battery Type Choose	Gel/Sealed/other(User-defined)							
Fast Charge Voltage(Vdc)	14.0V ; X2/24V ; X4/48V other(User-defined)							
Folat Charge Voltage(Vdc)	13.8V ; X2/24V ; X4/48V other(User-defined)							
Overcharge Alarm Voltage(Vdc)	15.0V ; X2/24V ; X4/48V other(User-defined)							
Overcharge Protection Voltage(Vdc)	15.0V ; X2/24V ; X4/48V other(User-defined)							
Overcharge Recovery Voltage(Vdc)	13.6V ; X2/24V ; X4/48V other(User-defined)							
<b>DC Output Features</b>								
DC Output Current(A)	20A Max	30A Max	40A Max	50A Max	60A Max	80A Max	100A Max	120A Max
Overdischarge Alarm Voltage(Vdc)	11.0V/11.0V*2/11.0V*4							
Overdischarge Protection Voltage(Vdc)	10.8V/10.8V*2/10.8V*4							
Overdischarge Recovery Voltage(Vdc)	13.2V/13.2V*2/13.2V*4							
<b>PROTECTION</b>								
Protection	Overcharge protection, Overdischarge protection, Solar reverse polarity protection, Overtemperature protection							
<b>Display Features</b>								
Display method	LED+LCD							
Display substance	PV status, Battery status, DC Output status, fault status							
<b>AMBIENT</b>								
Noise(dB)	< 55dB (1 meter)							
working Temperature	-20°C ~ 50°C							
Humidity	0~95% ( no condensation)							
Sea Level(m)	≤1500							
<b>DIMENSION</b>								
L×W×H (products size) mm	L205*W167*H93.5mm		L260*W223*H93.5mm		L410*W375*H140mm			
L×W×H (package size) mm	L640*W565*H305mm		L640*W565*H305mm		L429*W398*H151mm			
Weight(NW Kg)	2.1Kg		3.0Kg		6.5KGS			
QTY PER CTN	8PCS/CTN		4PCS/CTN		4PC/CTN			
Packge Weight(GW Kg)	21Kg		15Kg		7.5Kgs			