

MPPT Solar Charge Controller System

> MAIN FUNCTION

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



Model:40-60A

MPPT Solar Charge Controller System



Model:20-30A

> TECHNICAL PARAMETER

SPECIFICATION	MODEL	SC-M-20A	SC-M-30A	SC-M-40A	SC-M-50A	SC-M-60A
P.V. Input Features						
Input P.V. Range(Vdc)		≤150VDC				
Solar Charge Current(A)		20A Max.	30A Max.	40A Max.	50A Max.	60A Max.
Solar Charging Features						
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)				
DC Output Features						
DC Output Current(A)		20A Max.	30A Max.	40A Max.	50A Max.	60A Max.
Overdischarge Alarm Voltage(Vdc)		11.0V ; X2/24V ; X4/48V other(User-defined)				
Overdischarge Protection Voltage(Vdc)		10.5V ; X2/24V ; X4/48V other(User-defined)				
Overdischarge Recovery Voltage(Vdc)		14.0V ; X2/24V ; X4/48V other(User-defined)				
PROTECTION						
Protection		Overcharge Protection. Overdischarge protection. Solar reverse polarity protection. Overtemperature Protection				
Display Features						
Display Method		LED+LCD				
Display Substance		PV Status,Battery Status,DC Output Status,Fault Status				
AMBIENT						
Noise(dB)		< 55dB (1 meter)				
working Temperature		-20℃~50℃				
Humidity		0~95% (no condensation)				
Sea Level(m)		≤1500				
DIMENSION						
L×W×H (products size) mm		L205*W167*H93.5mm		L260*W223*H93.5mm		
L×W×H (package size) mm		L520*W435*H235mm		L640*W565*H305mm		
Weight(NW Kg)		2.1Kg		3.0Kg		
Package Weight(GW Kg)		21Kg		15Kg		
20FT QTY(UNIT)		2400		2000		