



SC-M Series



Main Features

- Industrial-grade Micro Processor Control
- 12V,24V and 48V can be adaptive
- Built-in maximun power point tracking algorithm,the charging efficiency is 15%-20% higher than PWM mode
- With the charging overcurrent protection function ,the controller will automatic reduce the chargr 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



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
P.V. Input Features								
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
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	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							
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			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		