

# Solar Charge Controller System 192-360VDC

## > MAIN FUNCTION

- Industrial-grade Micro Processor Control
- IGBT control
- With LCD display module which can display system status and parameters
- High frequency PWM control, High efficient solar energy utilization.
- The controller could figure out everyday's power of charge
- Standby power consumption less than 1W at night, unmanned supervision, automatic conversion
- With the charging overcurrent protection function, the controller will automatic reduce the charg current
- With the Solar reverse polarity protection
- With the Overtemperature protection
- Wall hanging case
- Application for off-grid solar power system



## > TECHNICAL PARAMETER

MODEL	Sc19220	SC19250	SC24020	SC24050	SC36020	SC36050
<b>SPECIFICATION</b>						
<b>P.V. Input Features</b>						
Input P.V. Range(Vdc)	240~400VDC		300~500VDC		450-750VDC	
	20A	50A	20A	50A	20A	50A
Solar Charge Current(A)	Max.25A	Max.55A	Max.25A	Max.55A	Max.25A	Max.55A
<b>Solar Charging Features</b>						
Normal Battery Voltage(Vdc)	192VDC		240VDC		360VDC	
Fast Charge Voltage(Vdc)	221.6±0.8VDC		277.0±1.0VDC		415.5±1.5VDC	
Folat Charge Voltage(Vdc)	218.4±0.8VDC		273±1.0VDC		409.5±1.5VDC	
Overcharge Alarm Voltage(Vdc)	230.4±0.8VDC		288.0±1.0VDC		432.0±1.5VDC	
Overcharge Protection Voltage(Vdc)	240.0±0.8VDC		300.0±1.0VDC		450.0±1.5VDC	
Overcharge Recovery Voltage(Vdc)	218.4±0.8VDC		273±1.0VDC		409.5±1.5VDC	
<b>PROTECTION</b>						
Protection	Overcharge protection, Overdischarge protection, Solar reverse polarity protection, Overtemperature protection, lighting protection					
<b>Display Features</b>						
Display method	LED+LCD					
Display substance	P.V.input voltag, P.V.input current, Battery voltage, DC output status, rated power, fault status					
<b>AMBIENT</b>						
Noise(dB)	< 55dB (1 meter)					
working Temperature	-20℃~50℃					
Humidity	0~95% ( no condensation)					
Sea Level(m)	≤1500					
L×W×H (products/package size)	469*295*119.5mm/590*395*215mm					
Weight N. W/G. W ( Kg)	11.5/12.5KG	12.5/13.5KG	12/13KG	13/14KG	12.5/13.5KG	13.5/14.5KG