



Max Efficiency
98%



IP21
Ingress Protection



120A
MAX PV
CHARGING



APP



DUSTPROOF



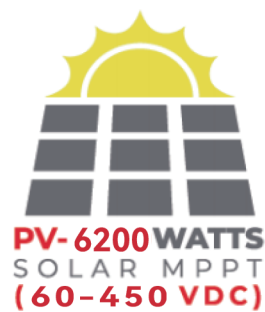
LCD Display



RS232/GPRS
WIFI

Features

- ⊙ Pure sine wave solar inverter
- ⊙ Output power factor 1.0
- ⊙ WIFI& GPRS available for IOS and Android Optional
- ⊙ Inverter can run without battery
- ⊙ One-key restoration to factory settings
- ⊙ Built-in lithium battery automatic activation
- ⊙ High PV input voltage range (60~500VDC)
- ⊙ Dual communication ports for battery communication and Wifi communication
- ⊙ Built-in 120A MPPT solar charge
- ⊙ Built-in anti-dust kit for harsh environment
- ⊙ Smart battery charge design to optimize battery life
- ⊙ Dual output



Built-in
Grid Feeding



Anti
Dust Kit



120 AMP
Solar Charger



Works
Without
Battery

Model	SISV-4.2K-H-(TWIN)
Phase	1-phase
Maximum PV Input Power	6200W
Rated Output Power	4200W/4200VA
Maximum Solar Charging Current	120A
Grid-tie Operation	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	18.2A
Power Factor	>0.99
Efficiency	
Maximum Conversion Efficiency(DC/AC)	98%
Two Load Output Power	
Full Load	4200W
Maximum Main Load	4200W
Maximum Second Load(battery Mode)	1400W
Maximum Load Cut Off Voltage	26VDC
Maximum Load Return Voltage	27VDC
Off-grid Operation	
AC Input	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Frequency Range	50~60 Hz
Maximum AC Input Current	24.7A
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/27A
Battery Mode Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
Battery & Charger	
Nominal DC Voltage	24VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	100A
Maximum Solar+AC Charging Current	120A
Hybrid Operation	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	18.2A
AC Input	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	24.7A
Maximum AC Charging Current	100A
General	
Physical	
Dimension D*W*H(mm)	420*350*110
Cartoon Dimension D*W*H(mm)	500*415*180
Net Weight(kgs)	8.0
Gross Weight(kgs)	9.0
Interface	
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C~50°C
Standard	
Compliance Safety	CE