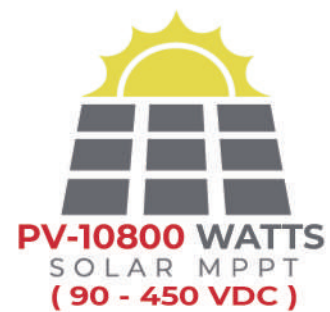


## Features

- ⊙ 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
- ⊙ Dual communication ports for battery communication and Wifi communication
- ⊙ Built-in 160A MPPT solar charge
- ⊙ High PV input voltage range (90~500VDC)
- ⊙ Built-in anti-dust kit for harsh environment
- ⊙ Smart battery charge design to optimize battery life
- ⊙ Dual output
- ⊙ Dual PV input
- ⊙ Touch button
- ⊙ On off grid work mode



Built-in  
Grid Feeding



**UP**  
Graded Model  
New Attractive Design



Anti  
Dust Kit



160 AMP  
Solar Charger



Works  
Without  
Battery

Model	SISV-8.2K-H-(TWIN)
Phase	1-phase
Maximum PV Input Power	5400W+5400W
Rated Output Power	8200W/8200VA
Maximum Solar Charging Current	160A
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	90~450VDC
Maximum Input Current	2/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	35.6A
Power Factor	>0.99
Efficiency	
Maximum Conversion Efficiency(DC/AC)	98%
Two Load Output Power	
Full Load	8200W
Maxium Main Load	8200W
Maxium Second Load(battery Mode)	2733W
Maxium Load Cut Off Voltage	52VDC
Maxium Load Return Voltage	54VDC
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
Maxium AC Input Current	48.2A
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	90~450VDC
Maximum Input Current	2/27A
Battery Mode Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiecnycy(DC to AC)	94%
Battery & Charger	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	160A
Maximum AC Charging Current	140A
Maximum Solar+AC Charging Current	160A
Hybrid Operation	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC
MPPT Voltage Range	90~450VDC
Maximum Input Current	2/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	35.6A
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	48.2A
Maximum AC Charging Current	140A
General	
Physical	
Dimension D*W*H(mm)	530*390*130
Cartoon Dimension D*W*H(mm)	618*463*205
Net Weight(kgs)	14.2
Gross Weight(kgs)	15.7
Interace	
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