

# SP SERIES

Hybrid Solar Inverter

WiFi(optional)

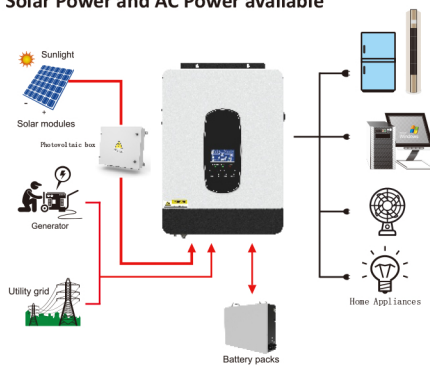


## Features

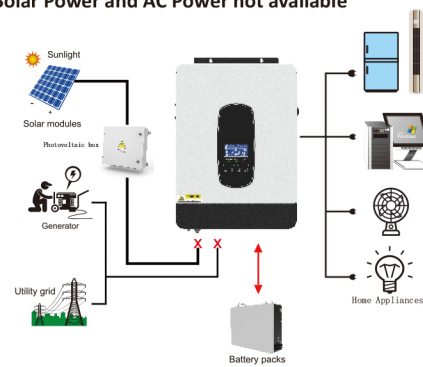
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.6KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

## Solar System Connection

■ Operation with battery connected  
Solar Power and AC Power available



Solar Power and AC Power not available



## Overview

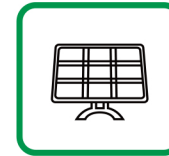


SP-2200  
SP-3200



SP-4200  
SP-7000

## Product Data Sheet



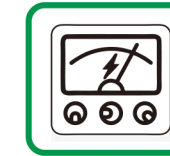
**Max PV Input**  
2000W/3000W  
5000W/6000W



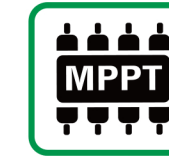
**Max PV Voltage 450VDC**



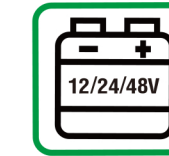
**Max PV Input Current 27A**  
(FOR 3.6KW/6.2KW )



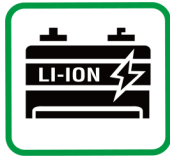
**MPPT Range 55 ~ 450VDC**



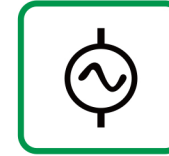
**MPPT Controller**



**12/24/48 Volt**



**Works with Lithium battery**



**AC Output**  
1800W/3000W  
3600W/6200W



**Max Charging Current 80/110A**



**Monitor & Control (Optional)**



**Communication Port RS232/RS485**



**Pure Sine Wave Inverter**



**Wi-Fi Option**



**BMS**

MODEL	SP-2200	SP-3200	SP-4200	SP-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	7000VA/6200W
<b>INPUT</b>				
Voltage	230VAC			
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)			
Frequency Range	50Hz/60Hz (Auto sensing)			
<b>OUTPUT</b>				
AC Voltage Regulation (Batt.Mode)	230VAC±5%			
Surge power	4400VA	6400VA	8000VA	14000VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
<b>BATTERY &amp; AC CHARGER</b>				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC
Maximum charge current	60A		80A	
<b>SOLAR CHARGER</b>				
MAX.PV Array Power	2000W	3000W	5000W	6000W
MPPT Range@ Operating Voltage	55-450VDC			
Maximum PV Array Open Circuit Voltage	450VDC			
Maximum Charging Current	80A		110A	
Maximum Efficiency	98%			
<b>PHYSICAL</b>				
Dimension.D*W*H(mm)	405X286X98MM		423X290X100MM	423X310X120MM
Net Weight (kgs)	4.5kg	5.0kg	7.0kg	8.0kg
Communication Interface	RS232/RS485(Standard) GPRS/WIFI(Optional)			
<b>OPERATING ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10°C to 55°C			
Storage Temperature	-15°C to 60°C			