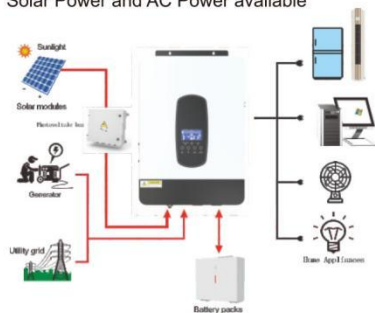


## »» Features

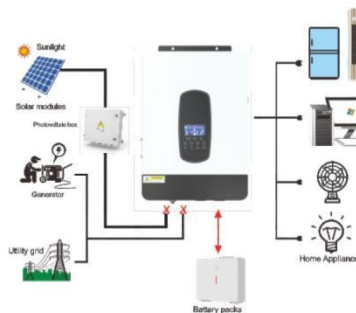
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.8KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment(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



## »» Product Data Sheet

MODEL	SP-2200	SP-3200	SP-4200	SP-4200	SP-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	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	8400VA	8400VA	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)				
Waveform	Pure Sine Wave				
<b>BATTERY&amp;ACCHARGER</b>					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Over charge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum charge current	60A		80A	60A	80A
<b>SOLAR CHARGER</b>					
MAX.PV Array Power	2000W	3000W	6000W		
MPPT Range @ Operating Voltage	55-450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A		110A	80A	110A
Maximum Efficiency	98%				
<b>PHYSICAL</b>					
Dimension.D*W*H(mm)	405*286*98mm		423*290*100mm	423*290*105mm	
Net Weight(kgs)	4.5kg	5.0kg	6.8kg	6.9kg	7.5kg
Communication Interface	RS232/RS485(Standard) 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				



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