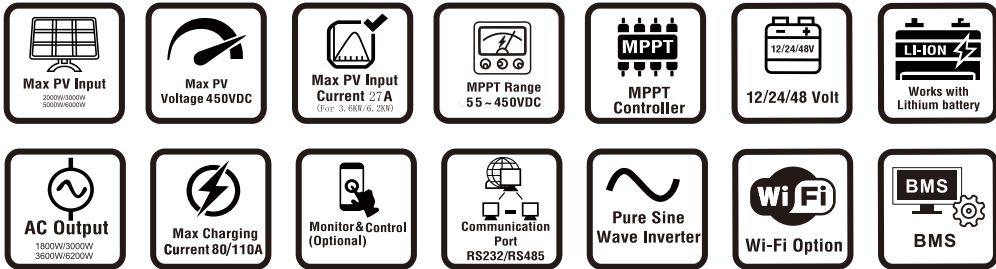


OFF GRID SOLAR INVERTER

SP SERIES

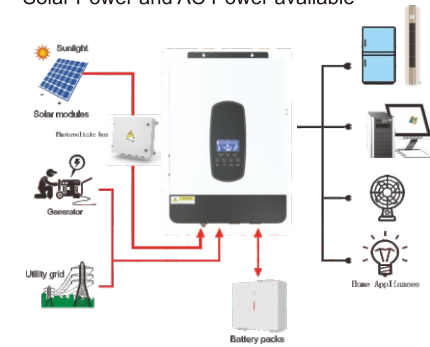


»» Features

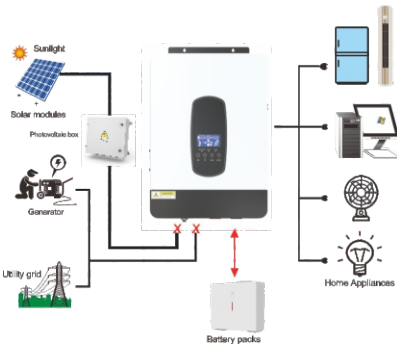
- Pure sine wave inverter
- Programmable supply priority for PV,battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.8KW&6.2KW) MPPT solar charger
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environmen(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		
INPUT											
Voltage	230VAC										
Selectable Voltage Range	170-280VAC(for personal computers); 90-280VAC(for home appliances)										
Frequency Range	50Hz/60Hz(Auto sensing)										
OUTPUT											
AC Voltage Regulation(Batt.Mode)	230VAC±5%										
Surge power	4400VA		6400VA		8400VA		8400VA		14000VA		
TransferTime	10ms(for personal computers); 20ms(for home appliances)										
Wave form	Pure Sine Wave										
BATTERY & AC CHARGER											
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		
SOLAR CHARGER											
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%										
PHYSICAL											
Dimension, H*W*D(mm)	405*286*98				423*300*120		423*300*120				
Net Weight (kgs)	5		5.5		6.8		6.9		8		
Communication Interface	Two communication One RS485 port for BMS ports ;Another RS485/RS232 for remote monitoring										
OPERATING ENVIRONMENT											
Humidity	5% to 95% Relative Humidity(Non~condensing)										
Operating Temperature	-10°C to 55°C										
Storage Temperature	-15°C to 60°C										