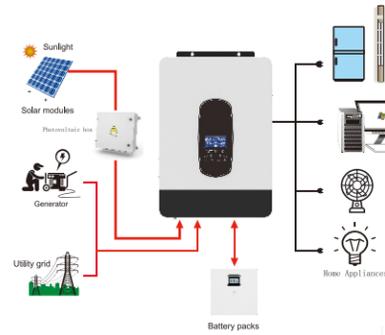


»» Features

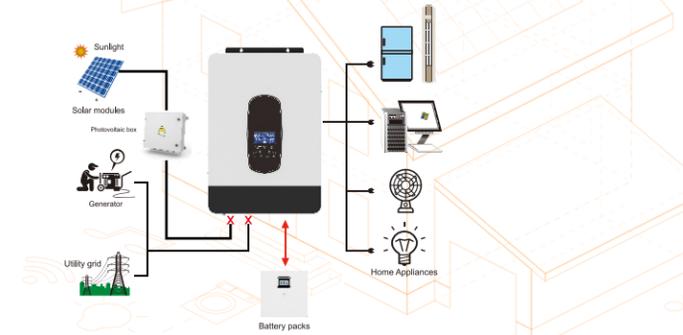
- ◆ Pure sine wave inverter
- ◆ Programmable supply priority for PV, battery or Grid
- ◆ High PV input voltage range(55~450VDC)
- ◆ Built-in Max110A(3.8KW&6.2KW)MPPT solar charger
- ◆ Compatible with lithium-ion battery
- ◆ Support BMS communication with Lithium battery
- ◆ Smart battery charge design to optimize battery life
- ◆ Overload, high temperature, inverter output short circuit protection
- ◆ Cold start function
- ◆ Intelligent fan speed adjustment
- ◆ Built-in anti-dust 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
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)				
Frequency Range	50 Hz/60Hz(Auto sensing)				
OUTPUT					
AC Voltage Regulation(Batt.Mode)	230VAC± 5%				
Surge Power	4000VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms(for personal computers) ; 20ms(for home appliances)				
Waveform	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Overcharge 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*290*101		423*290*106
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				