

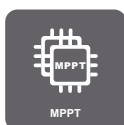
IP21 Solar Inverters-SP Series

1.5 / 3.5KW 220V / 230Vac Output

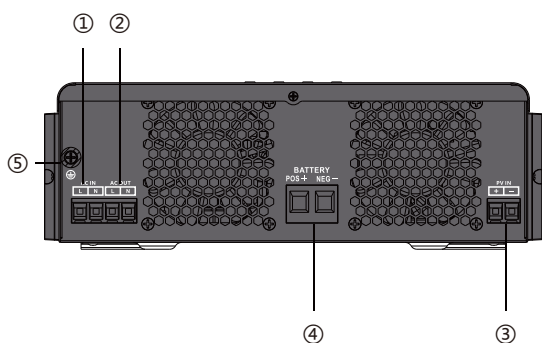


Features

- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle

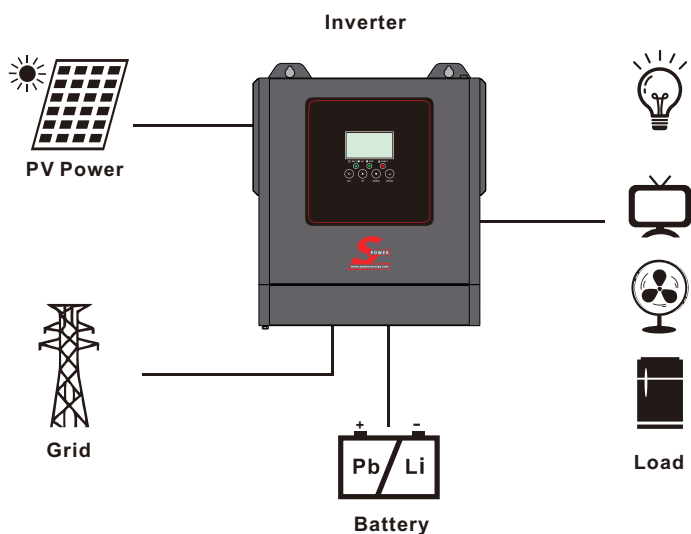


Bottom view



1. AC input
2. AC output
3. PV input
4. Battery input
5. Grounding

System Diagram



WiFi/GPRS



IOS / Android APP



Web

Technical Data

MODEL	SP-1500-12	SP-3500-24
Capacity	1500VA/1500W	3500VA/3500W
Parallel Capability	NO	NO
Lithium Battery Activation	NO	NO
Lithium battery Communication	NO	NO
INPUT		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
OUTPUT		
Nominal Voltage	220/230VAC±5%	
Rated Power	1500VA/1500W	3500VA/3500W
Battery Mode Power	1200VA/1200W	3000VA/3000W
Surge Power	3000VA	7000VA
Frequency	50/60 Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency (PV to INV)	96%	
Peak Efficiency (Battery to INV)	93%	
Overload Protection	5s@ > =140% load; 10s@100%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY		
Battery Voltage	12Vdc	24Vdc
Floating Charge Voltage	13.5Vdc	27Vdc
OverCharge Protection	16.5Vdc	32Vdc
Charging Method	CC/CV	
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE	MPPT	
Max.PV Array Power	2000W	4000W
Max. PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	30VDC~500VDC	
Max. Solar Input Current	15A	
Max. Solar Charge Current	100A	100A
Max. AC Charge Current	60A	60A
Max. Charge Current(AC+PV)	100A	100A
PHYSICAL		
Dimensions, D x W x H(mm)	334x293x98.5	
Package Dimensions, D x W x H(mm)	402x368x174	
Net Weight (Kgs)	4.0	4.4
Gross weight(Kgs)	4.9	5.25
Communication Interface	RJ45 For WiFi	
ENVIRONMENT		
Operating Temperature Range	-10°C to 55°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Ingress Protection	IP21	

Product specifications are subject to change without further notice.