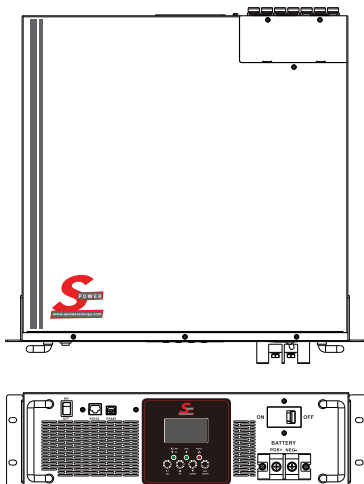
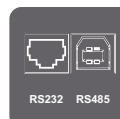
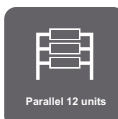
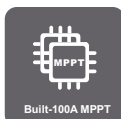


IP21 Solar Inverters-SP Series 5.5KW PV 500Vdc 220 / 230Vac Output

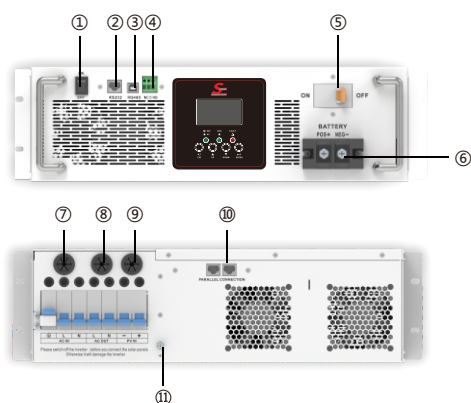


Features

- Pure sine wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Compatible work with lifepo4 battery
- Support multiple output priority: UTL, SOL, SBU, SUB
- Parallel operation up to 12 units in 1phase or 3phase
- EQ function to optimize battery performance and extend lifecycle

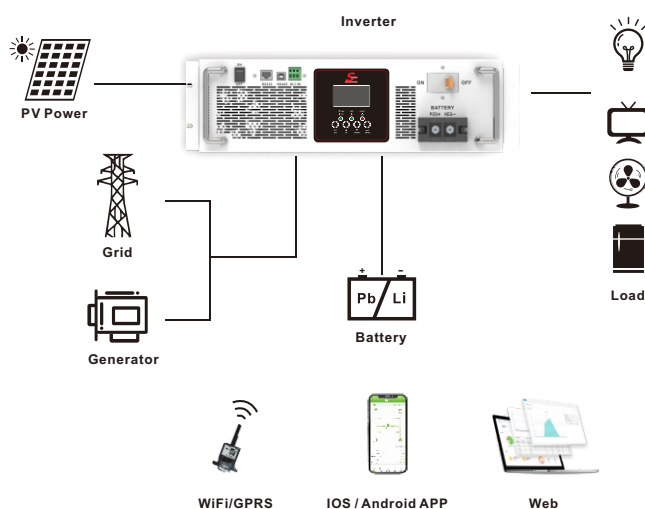


Bottom view



1. Power on/off switch
2. RS232 communication port
3. RS485 communication port
4. Dry contact
5. Battery breaker
6. Battery input
7. AC input
8. AC output
9. PV input
10. Parallel communication port
11. Grounding

System Diagram



Technical Data

MODEL	SP-RM5500 PRO
Capacity	5.5KVA/5.5KW
Parallel Capability	YES,12 Units
Lithium Battery communication	YES(RS485)
INPUT	
Nominal Voltage	220/230VAC±5%
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%
Surge Power	11000VA
Frequency	50/60Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency(PV to INV)	97%
Peak Efficiency(Battery to INV)	93%
Overload Protection	5s@>=140% load; 10s@110%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC / CV
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Max.PV Array Power	5500W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max.Solar Input Current	18A
Max.Solar Charge Current	100A
Max.AC Charge Current	60A
Max.Charge Current	100A
PHYSICAL	
Dimensions,D x W x H(mm)	130.8x482.6x478.5
Package Dimensions,D x W x H(mm)	220x520x545
Net Weight(Kg)	13.8
Gross weight(Kgs)	14
Communication Interface	RS485/ RS232 / Dry-contact
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.