







MPPT Solar Inverter SolarPax Series

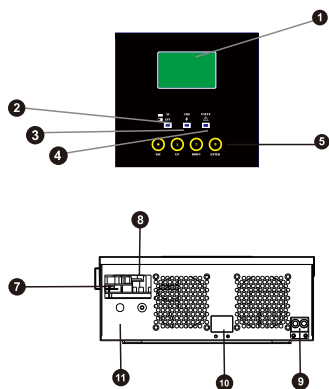
5.5KW MPPT Solar Inverter

Main Features

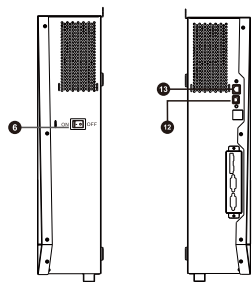
-  Max. Can Be 9PCS in Parallel With Optional Kit
-  With 100A MPPT Solar Charge Controller Built-in
-  With High PV Input Voltage Range (120-500VDC)
-  Efficiently Work With or Without Battery
-  With WIFI Function Optional
-  With Touch Button on the LCD Display



Back Panel Printing Description

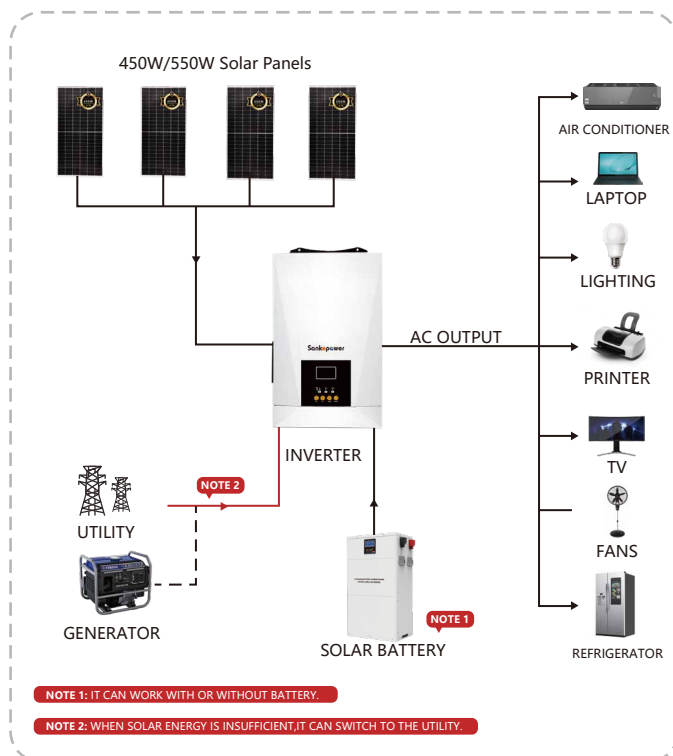


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker



6. Power on/off switch
12. USB communication port
13. RS-232 communication port

Solar System Connection



Technical Parameter

Series	SolarPax 5.5KW Inverter
The rated power	5500VA/5500W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (UPS),90-280VAC (Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Model)	230VAC \pm 5%
Surge Power	11000VA
Power factor	1
Efficiency(Peak)	> 90%
Transfer Time	10MS (UPS), 20MS (Appliances)
Wave form	Pure sine wave
No load current	1.3A
BATTERY	
Battery voltage	48VDC
Low battery alarming voltage	44.0VDC
Low battery cut off protection voltage	42VDC
Low battery recovery voltage	46.0VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	5500W
MPPT Range at Operation Vol.	120-420VDC
Maximum PV Array Open Circuit Vol.	450VDC
Number of MPPT trackers / Max output current	100A
Maxmum AC Charge Current	80A
Maxmum Charge Current	100A
Maxmum Efficiency	0.98
COMMUNICATION	
Communication Interface	USB/RS232/RS458/Dry-contact/BMS Parallal model(MAX.9PCS)
BEST PANEL CONFIGUTATION	
Maximum PV Array Power	5500W
Best Panel configuration	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL	
Products Dimension, D*W*H(mm)	498mm*313mm*123mm
Packing size, D*W*H(mm)	577mm*395mm*217mm
Net Weight (kgs)	10.0 KG
G.W. kg	11.3 KG
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	