

Hybrid MPPT Solar Inverter (On-grid & Off-grid Inverter)

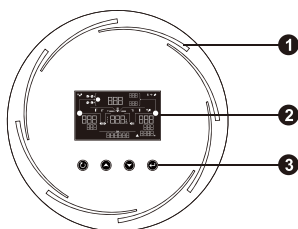
6KW Hybrid MPPT Solar Inverter SolarPolo

Main Features

-  120A Solar Charger+AC Charging current
-  USB On-the-go Function
-  Communication: RS232,USB,RS485, WIFI
-  Touch Button and LCD
-  Real Hybrid Can Feed to Grid
-  Built inside with BMS
-  Work with or without battery
-  6KW PV input (27A)
-  Parallel up to 9 pcs optional
-  RGB Light
-  Wifi Monitor Built Inside

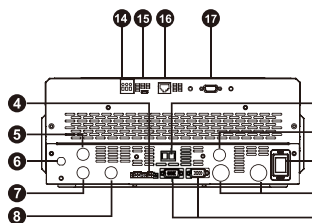


Back Panel Printing Description



1. RGB LED ring (refer to LCD Setting section for the details)
2. LCD display
3. Function buttons

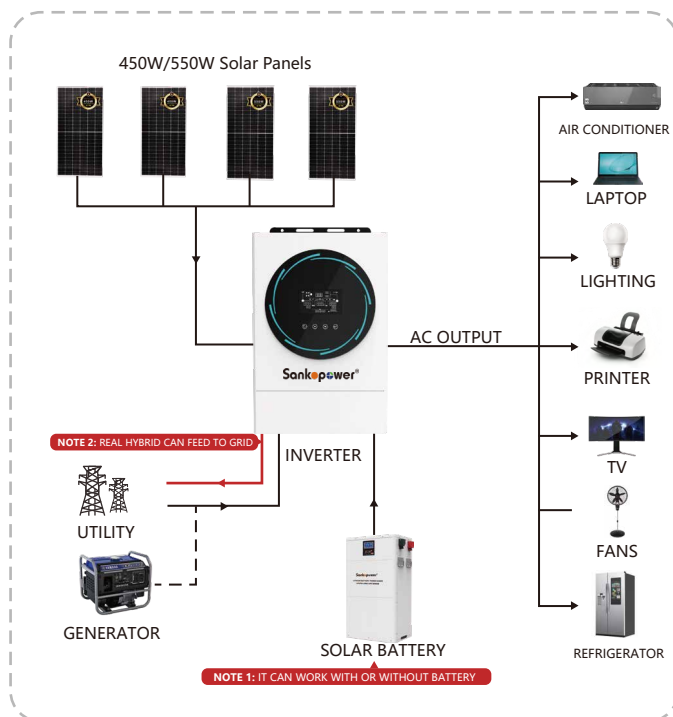
NOTE: For parallel installation and operation, please check manual.



4. Current sharing port
5. AC input connectors
6. Circuit breaker
7. AC output connectors (Load connection 1)
8. AC output connectors (Load connection 2)
9. DC output 12VDC 10A
10. PV connectors
11. Power switch

12. Battery connectors
13. Parallel communication port
14. Dry contact
15. USB port as USB communication port and USB function port
16. BMS-communication port: CAN,RS-485 or RS-232
17. RS 232 communication port

Solar System Connection



Technical Parameter

Model No.	6KVA /6KW SolarPolo Hybrid Inverter
Basical information	
Max. PV Input Power	6000W
Rated AC Output Power	6000W
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
AC Input (AC)	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	40A
Grid Output in Gri-Tie/ Hybrid Operation (AC)	
Nominal Output Volt	220Vac/ 230Vac/ 240Vac, Single Phase dual AC output
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	26.0A
Power Factor	1
Efficiency	
Max. Conversion Efficiency (DC/AC)	0.96
Battery Mode Output (AC)	
Nominal Output Volt	230Vac dual AC output+ 1pcs*12Vdc/ 10A max
Waveform	Pure sine wave
Efficiency(DC to AC)	0.93
Battery & Charger	
Battery Type Supported	AGM/Lead Acid/GEL/LIFEPO4 Lithium Battery
Nominal Battery Voltage	48Vdc
Max Solar Charge Current	120A
Max AC Charge Current	120A
Max Total Charge Current	120A
Physical	
Products Dimension,D X W X H (mm)	356*471*149
Product Net Weight(kgs)	13.5
Packing Dimension,D X W X H (mm)	535*425*224,1PC/CTN
Gross Weight(kgs)	15
Parallel functions Optional	Yes, optional, max 9pcs
Communication Interface	RS232,USB,RS485,WIFI
Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 50°C

