

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

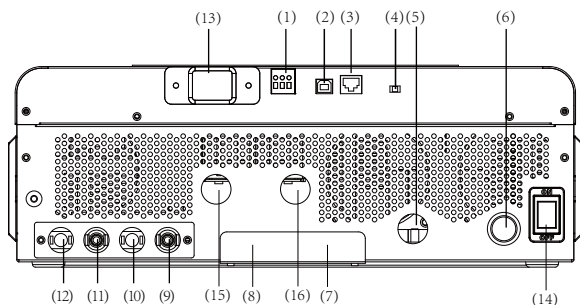
8KW Hybrid MPPT Solar Inverter SolarPolo

Main Features

-  3 IN 1: MPPT INVERTER, ON GRID/OFF GRID/HYBRID.
-  Parallel up to 6pcs optional
-  Communication optional: USB/RS232/RS485/Dry-Contact/WIFI
-  RGB Light
-  Dual MPPT tracker inside (2pcs*18A), max PV input 8000W
-  Touch LCD screen
-  Smart battery management, can work with LiFePO4
-  WIFI monitor optional
-  Work with or without battery
-  Real hybrid can feed into grid



Back Panel Printing Description



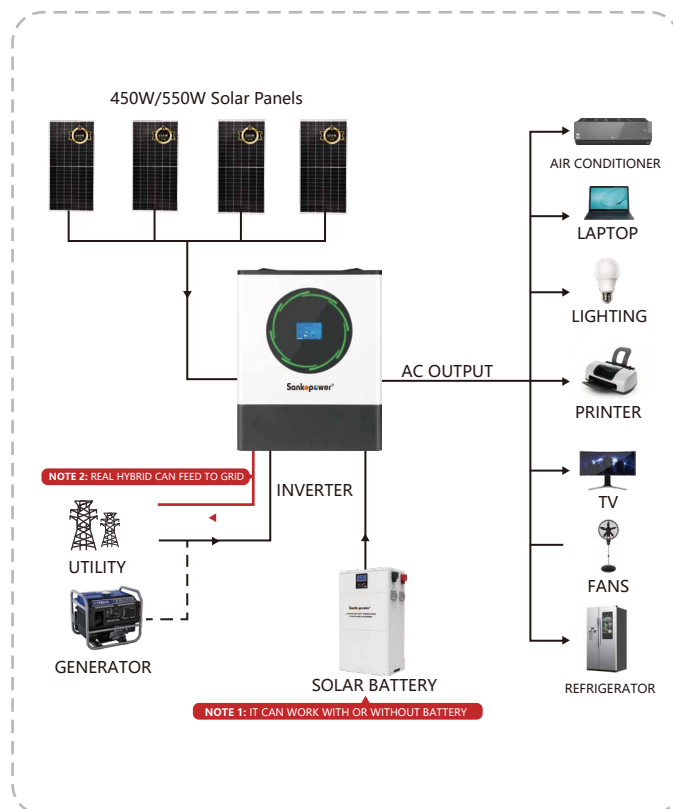
NOTE: For parallel installation and operation, please check manual.

- | | |
|----------------------------|----------------------------|
| 1: Generator dry contact | 2: USB port |
| 3: BMS Port(Reserved) | 4: RGB ON/OFF |
| 5: Battery positive | 6: Battery negative |
| 7: Parallel port | 8: Current sharing port |
| 9: PV1 negative connector | 10: PV1 positive connector |
| 11: PV2 negative connector | 12: PV2 positive connector |
| 13: WIFI port | 14: Power on/off switch |
| 15: AC input connector | 16: AC output connector |

RGB:

- 1、 Battery mode: green, flash
- 2、 Battery+AC mode (in charging): Green I Cyan, flash
- 3、 Battery+AC mode (full charged): Cyan, always light on
- 4、 Battery +Solar mode (in charging): Blue / green or blue / cyan, flash
- 5、 Battery +Solar mode (full charged): blue always light on and cyan flash.

Solar System Connection



Technical Parameter

Model No.	8KW SolarPolo Hybrid Inverter
Basical information	
Max. PV Input Power	8000W
Rated AC Output Power	8000W
PV Input (DC)	
Max. DC Voltage	450VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	2/18A (4000W*2)
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	63A
Grid Output in Gri-Tie/ Hybrid Operation (AC)	
Nominal Output Volt.	220Vac/ 230Vac/ 240Vac, Single Phase
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	34.8A
Power Factor	>0.9
Max. Conversion Efficiency (DC/AC)	96%
Battery Mode Output (AC)	
Nominal Output Volt.	220Vac/ 230Vac/ 240Vac
Waveform	Pure sine wave
Efficiency(DC to AC)	93%
Battery & Charger	
Battery Type Supported	Lead Acid/VRL AVAGM/Deep Cycle/Gel/Flooded/Tubular/Lithium-Ion
Nominal Battery Voltage	48Vdc
Max Solar Charge Current	120A
Max AC Charge Current	120A
Max Total Charge Current	120A
General	
Physical	
Products Dimension,D X W X H (mm)	552*422*152
Product Net Weight(kgs)	18.4
Gross Weight(kgs)	20.5
Packing Dimension, D X W X H (mm)	700mm*510mm*232mm,1PC/CTN
Parallel functions Optional	Yes, optional, MAX 6pcs
Communication Interface	RS232,USB,WIFI,TOUCH LCD
Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C