












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

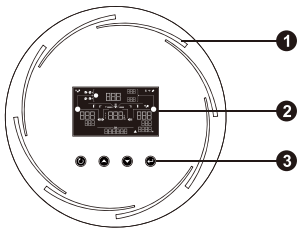
6KW Hybrid MPPT Solar Inverter SolarPolo

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

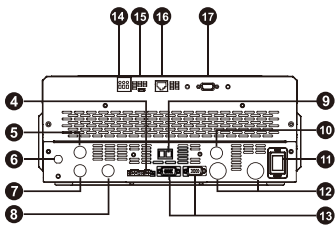


Back Panel Printing Description



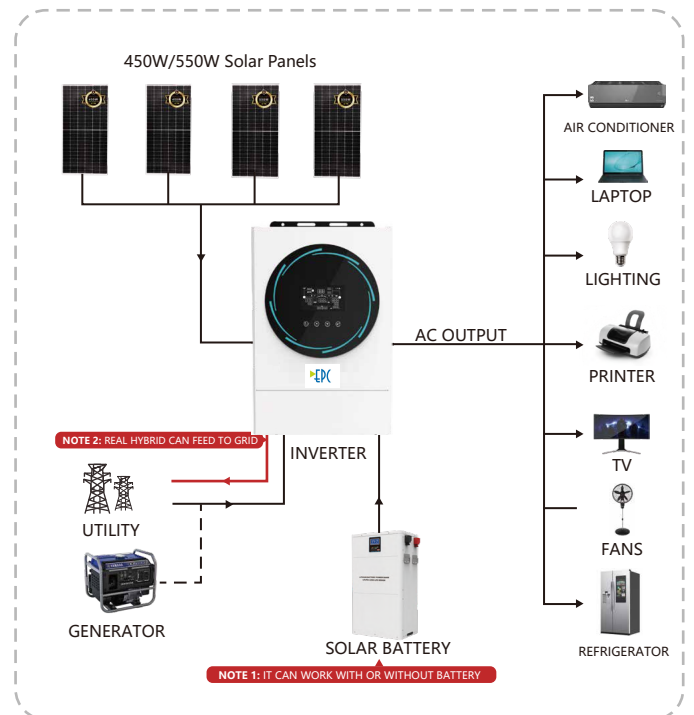
1. RGB LED ring (refer to LCD Setting section for the details)
2. LCD display
3. Function buttons

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 Lihitum 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

MPPT Solar Inverter SolarPro Series

3.5KW MPPT Solar Inverter SolarPro Series

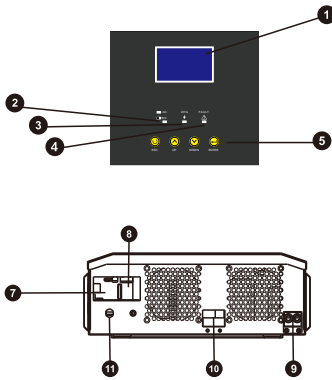
5.5KW MPPT Solar Inverter SolarPro Series

Main Features

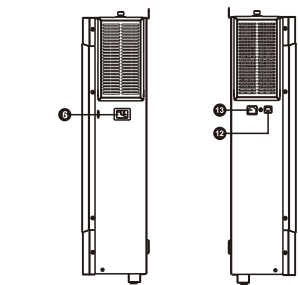
-  With 100A MPPT Solar Charge Controller Built-in
-  With High PV Input Voltage Range(120-500VDC)
-  Efficiently Work With or Without Battery
-  With WIFI Function Optional
-  With Touch Button on the LCD Display



Back Panel Printing Description

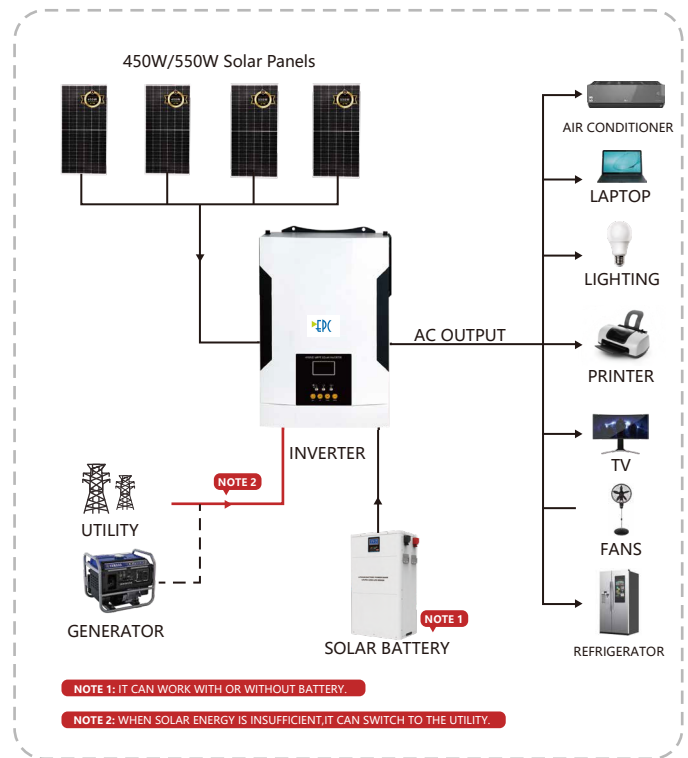


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker



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

Solar System Connection



Technical Parameter

Inverter Model No.	SolarPro 3.5KW Inverter	SolarPro 5.5K Inverter
Power Rated	3500VA/3500W	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	7000VA	11000VA
Efficiency(Peak)	> 90%	
Transfer Time	10ms (UPS), 20ms (Appliances)	
Wave form	Pure sine wave	
No load current	1.0A	1.1A
BATTERY		
Battery voltage	24VDC	48VDC
Low battery alarming voltage	22.0VDC	44.0VDC
Low battery cut off protection voltage	21VDC	42VDC
Low battery recovery voltage	23.0VDC	46.0VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	64VDC
MPPT SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range Operation Vol	120-450VDC	
Maximum PV Array Open Circuit Vol.	500VDC	
Number of MPPT trackers / Max output current	100A	
Maxmum AC Charge Current	60A	
Maxmum Charge Current	100A	
Maxmum Efficiency	98%	
BEST PANEL CONFIGUTATION		
Maximum PV Array Power	5000W	6000W
Best Panel configuration	550Wp*7pcs*42V(3850Wp)*in series	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL		
Products Dimension, D*W*H(mm)	481mm*313mm*117mm	481mm*313mm*117mm
Packing size, D*W*H(mm)	543mm*394mm*204mm	543mm*394mm*204mm
Net Weight (kgs)	9.8Kg	10.5Kg
G.W. kg	11Kg	11.7Kg
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operation Temperature	0°C- 50°C	