








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

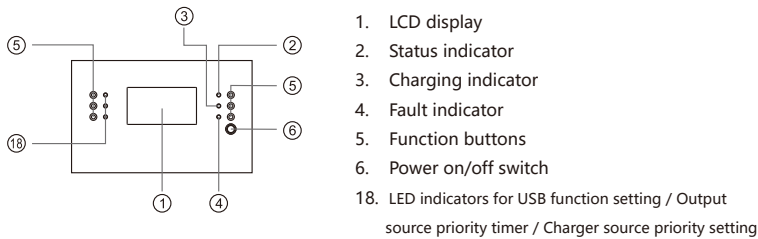
5KW Hybrid MPPT Solar Inverter SolarPolo

Main Features

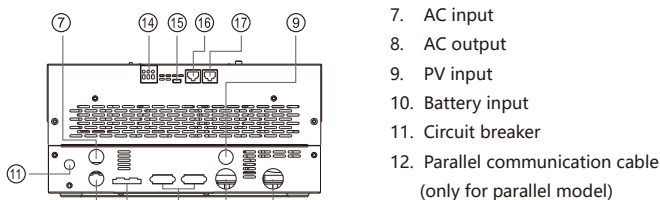
-  Max.Can Be 9PCS in Parallel With Optional Kit
-  80A MPPT Solar Charge Controller up to 5000W Solar panel
-  Efficiently Work With or Without Battery
-  Built-in WIFI for Mobile Monitoring(Requires APP)
-  5KW Can Be off Grid and on Grid
-  Compatible With Lithium Battery
-  5KW is Real Hybrid Can Work as Off Grid and On Grid Solar Inverters



Back Panel Printing Description

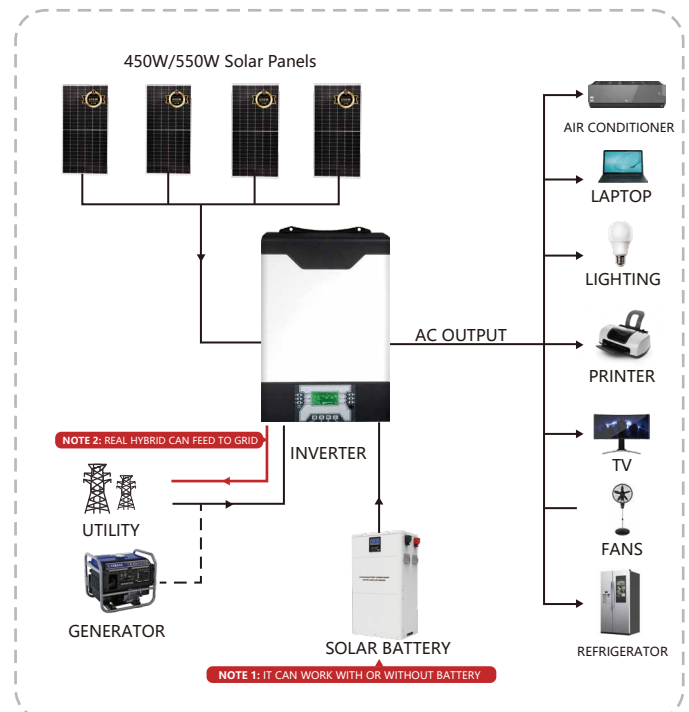


NOTE: For parallel installation and operation, please check manual.



13. Current sharing cable (only for parallel model)
14. Dry contact
15. USB communication port
16. BMS communication port: CAN, RS-485 or RS-232
17. RS-232 communication port

Solar System Connection



Technical Parameter

MODEL	5KW Solar Inverter SolarPolo
Rated Power	5KW
INPUT	
Voltage	230VAC
Selectable voltage	176-280 VAC at 100% load
	110-280 VAC at 50% load
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation(Batt.Mode)	230VAC±3%
Surge Power	10400VA for 5 sec
Efficiency(Peak)	>95% (Rated R load, battery full charged)
Transfer Time	10ms typical (For Personal Computers)
	20ms typical (For Home Appliances)
Wave form	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	64 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT Solar Charger
Maximum PV Array Open Circuit Voltage	450VDC
Maximum PV Array Power	5000W
MPP Range@ Operating Voltage	120-430VDC
Maxmum Solar Charge Current	80A
Maximum AC Charge Current	80A
BEST PANEL CONFIGUTATION	
BEST PANEL CONFIGUTATION	550Wp*8pcs*42V(4400Wp)*in series
PHYSICAL	
Products Dimension,D X W X H (mm)	456*303*147
Product Net Weight(kgs)	12
Packing Dimension,D X W X H (mm)	530*377*217,1PC/CTN
Product Gross Weight(kgs)	13.5
Communication Interface	Removable OTG USB/RS232/RS458/BLE/Dry-contact,BMS interface, 9 pcs in parallel (only 5KVA)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 50°C