

PSi6000W#48VPVM

Features:

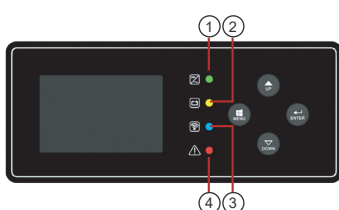
- >> Wide range of MPPT voltage:120-500V
- >> Multiple operation modes: Grid-tie,off grid with storage backup
- >> Support LCD display&Smart LCD setting
- >> Available Export control CT sensor function
- >> Multiple communications:USB,RS485,GPRS and wifi etc
- >> Monitoring inverters freely via computers or mobile phones
- >> Full protection function:Over-voltage,over-frequency, over-current, over-temperature,and AC short-circuit automatic protection
- >> Intelligent BMS battery management function
- >> Fanless low-noise design
- >> IP65 Dust-proof and water-proof



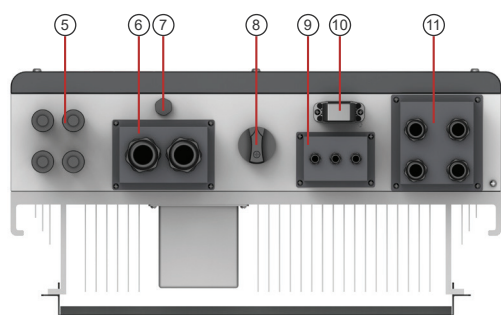
Introduction

This is a flexible and intelligent energy storage solar inverter with a wide range of MPPT Voltage. Combining functions of off grid and on grid. This hybrid solar inverter can power all kinds of appliances in home or office, and can also be used in power stations.

Back panel printing description

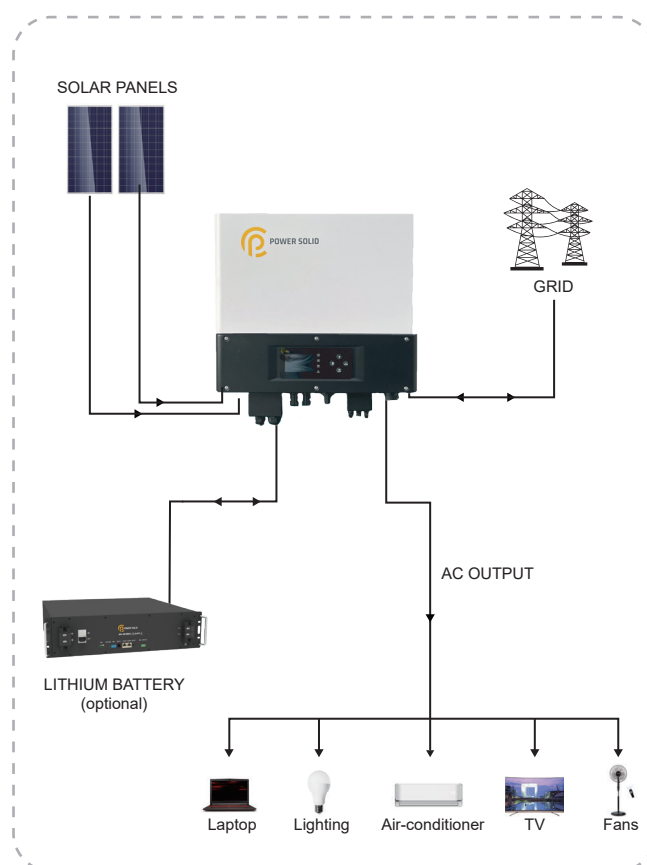


1. The inverter operation status indicator
2. Battery indicator
3. WiFi status indicator
4. Fault indicator



5. PV input terminals
6. Battery input terminals and cover
7. Breather valve
8. PV input switch
9. BTS terminals, BMS terminals, load monitor terminals, dry contact terminals, CAN communication terminals, USB terminal and cover
10. Wi-Fi commodule
11. AC output terminals and cover

Solar system connection



Technical Specifications

MODEL		PSi6000W#48VPVM
RATED POWER		6000W
Nominal Battery System Voltage		48V
PV INPUT(DC)	Maximum recommended DC power	7000W
	Nominal DC operating voltage	360V
	Maximum DC voltage	500V
	MPPT voltage range	120V~500V
	Maximum input current	15A / 15A
	No.of MPP tracker	2
	Strings per MPP tracker	1
INVERTER OUTPUT(AC)	Nominal AC output power	6000W
	Nominal output voltage; range	220/230/240V;180-280V
	AC grid frequency; range	50/60Hz; 45~55/55-65Hz
	Nominal output current	26A
	Maximum output current	27.2A
	Inrush current (spike/duration)	57.5A/5.2us
	Total harmonic distortion i (THDi)	<3%
	Power factor at rated power	1
	Displacement power factor	0.8leading ~ 0.8lagging
	Grid type	Single phase
BATTERY MODE OUTPUT(AC)	Output Rated Power	6000W
	Nominal output voltage; accuracy range	230±1%
	Output ferequency; accuracy range	50/60Hz (optional)±0.2%
	Output rated current	26A
	Output waveform	Pure sine wave
	Peak power	9000W,10s
	Total harmonic distortion v (linear load)	<3%
BATTERY & CHARGER	Battery type	Lead-acid battery / Lithium battery
	Battery voltage	48V
	Battery voltage range	40~60V
	Charging curve	3-stage adaptive with maintenance
	Protection	Over-current protection / Over-temperature protection
	Maximum charging power	6000W
	Maximum charging current	125A
EFFICIENCY	Maximum efficiency	97.1%
	Euro-efficiency	96.5%
	MPPT efficiency	99.8%
PROTECTION DEVICES	DC switch rating for each MPPT	Yes
	Grid monitoring	Yes
	Output over current protection	Yes
	Output overvoltage protection-varistor	Yes
	Ground fault monitoring	Yes
	Integrated all-pole sensitive leakage current	Yes
GENERAL	Machine Dimension (W*H*D)	480*420*215mm
	Package Dimension (W*H*D)	/
	G.W	27kg
	N.W	/
	DC connection	H4 / MC4
	AC connection	Terminal Block
	Display	LED+LCD
	Communication interfaces	Wi-Fi / USB / GPRS / RS485
	Ingress protection rating	IP65
	Humidity	0~95% RH(No condensing)
	Operating temperature range	-20 +60 With derating above 45
	Cooling concept	Natural
	Altitude	<3000m