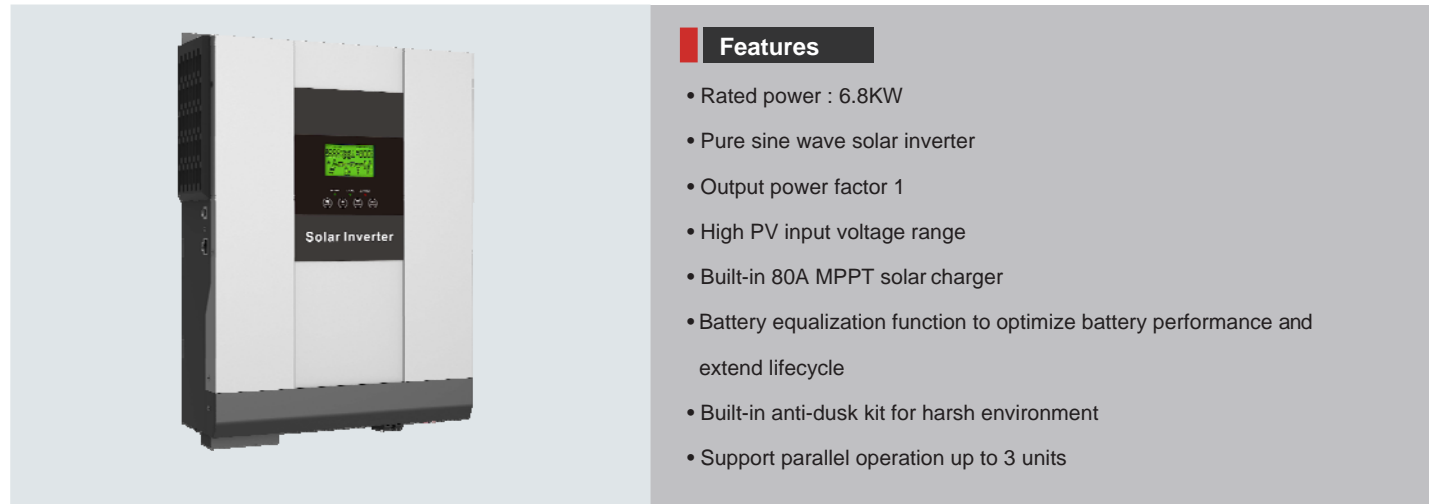


High Frequency Off Grid Solar Inverter PS 6.8KVA



Features

- Rated power : 6.8KW
- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment
- Support parallel operation up to 3 units

Introduction

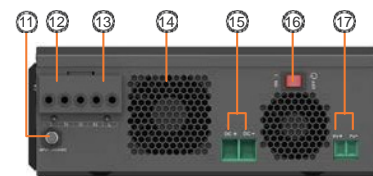
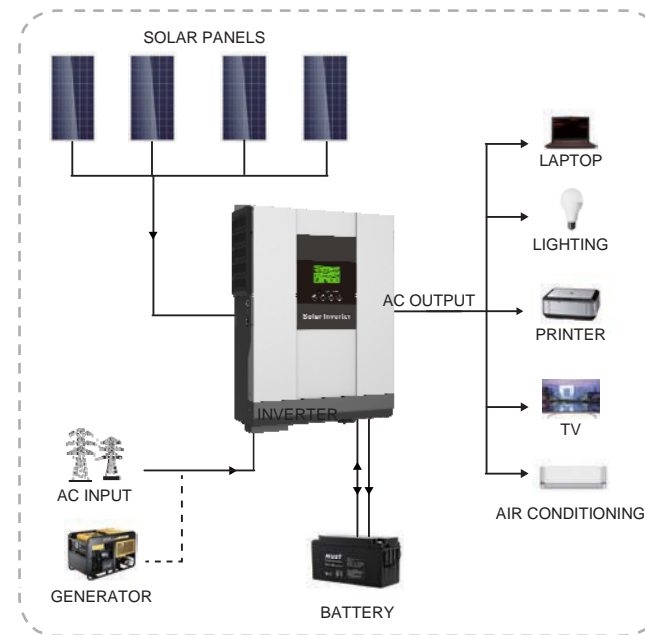
PS6.8KVA is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Back panel printing description

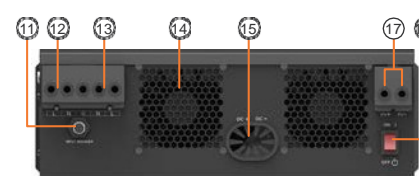
- | | |
|------------------------------|---|
| 1. LCD Display | 10. Parallel communication port (only for parallel model) |
| 2. Status Indicator | 11. Circuit breaker |
| 3. Charging Indicator | 12. AC input |
| 4. Fault Indicator | 13. AC output |
| 5. Function Buttons | 14. Fan |
| 6. RS-485 Communication port | 15. Battery input |
| 7. USB | 16. Power on/off switch |
| 8. Dry contact | 17. PV input |
| 9. Parallel switch | |



Solar system connection



6.8KW single model



6.8KW parallel model

Specification

MODEL	PS 6.8KVA	
Nominal Battery System Voltage	48VDC	
INVERTER OUTPUT	Rated Power	6000W
	Surge Power	12000W
	Waveform	Pure Sine Wave
	AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC)±5%
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliance)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170~280VAC(For personal computer) \ 90~280VAC(For Home Appliance) \ 184~253VAC(VDE4105)
	Frequency Range	50Hz/60Hz(Auto sensing)
BATTERY	Normal Voltage	48VDC
	Floating Charge Voltage	54.8VDC
	Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC
	PV Array MPPT Voltage Range	64~130VDC
	Standby Power Consumption	2W
	PV Input Power	3000W/4000W
	Maximum Solar Charge Current	80A
	Maximum Efficiency	98%
	Maximum AC Charge Current	60A
	Maximum Charge Current	140A
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	297.5*468*125
	Package Dimensions(W*H*D)(mm)	638*395*241
	Net Weight(kg)	13.3
	Gross Weight(kg)	16.4
OTHER	Humidity	5% to 95% Relatly Humidity (Non-condensing)
	Operating Temperature	-10°C ~55°C
	Storage Temperature	-15°C ~60°C