

Pure Sine wave High Frequency solar Inverter(450V)

PH1800 PRO Series (3KW, 5.2KW)





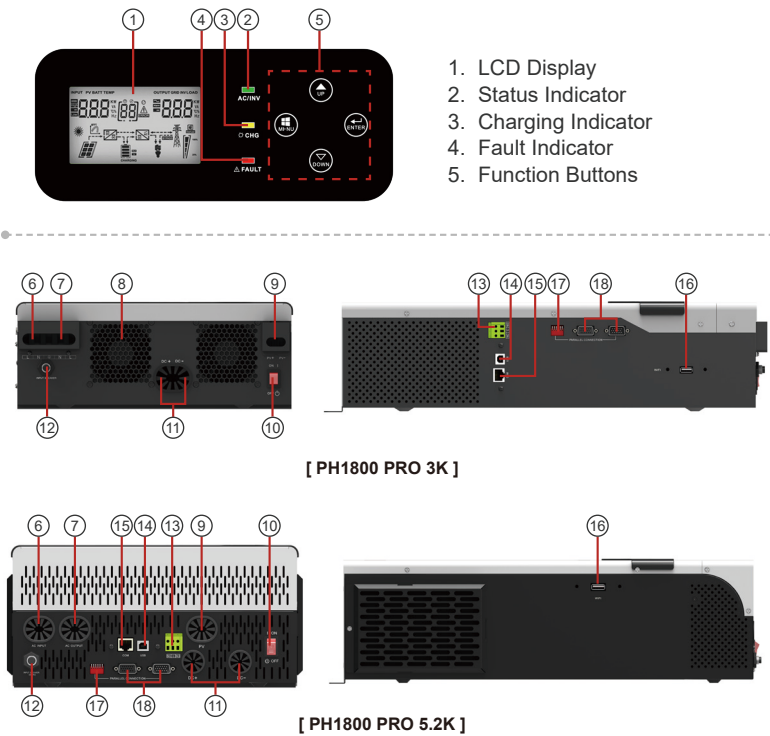
Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator

Introduction

PH1800 PRO is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. PH1800 PRO Series can run without battery. The Maximum PV array open circuit voltage can reach 450V and MPPT voltage is 150~430V, which can help customers make full use of solar energy.

Back panel printing description



6. AC Input

7. AC Output

8. FAN

9. PV Input

10.Power On/Off Switch

11. Battery Input

12.Circuit breaker
- 13.Dry Contact

14.USB

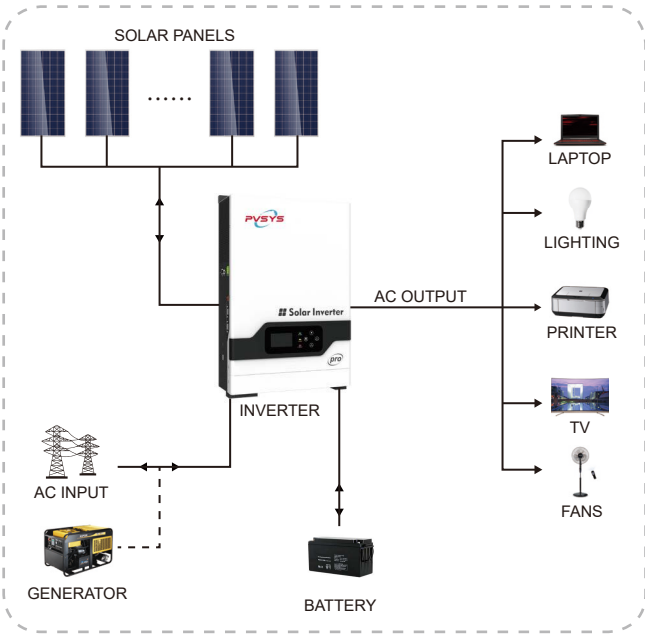
15.RS-485 Communication port

16.USB WiFi

17.Parallel switch

18.Parallel communication port

Solar system connection



Specification

Model	PH18-3024 PRO	PH18-5248 PRO
Nominal Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated Power	3000VA / 3000W	5200VA / 5200W
Surge Power	6000W	10400W
Waveform	Pure sine wave	
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
Inverter Efficiency(Peak)	90%~93%	
Transfer Time	10ms (UPS / VDE4105) 20ms (APL)	
AC INPUT		
Voltage	230VAC±5%	
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL)	
Frequency Range	50Hz/60Hz(Auto sensing)	
BATTERY		
Normal voltage	24VDC	48VDC
Floating Charge Voltage	27.4VDC	54.8VDC
Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum PV Array Power	5000W	
PV Array MPPT Voltage Range	150~430 VDC	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	60A	
Maximum Charge Current	80A	
MECHANICAL SPECIFICATIONS		
Machine Dimensions (W*H*D)(mm)	322*486*134	309*505*147
Package Dimensions (W*H*D)(mm)	426*560*260.5	375*655*269
Net Weight(kg)	8	14
Gross Weight(kg)	9.5	16.4
OTHER		
Humidity	5% to 95% Relative humidity (Non-condensing)	
Operating Temperature	-10℃ ~50℃	
Storage Temperature	-15℃ ~60℃	