

Pure Sine wave High Frequency solar Inverter(450V)

PH1800 PRO Series (3KW, 5.2KW)



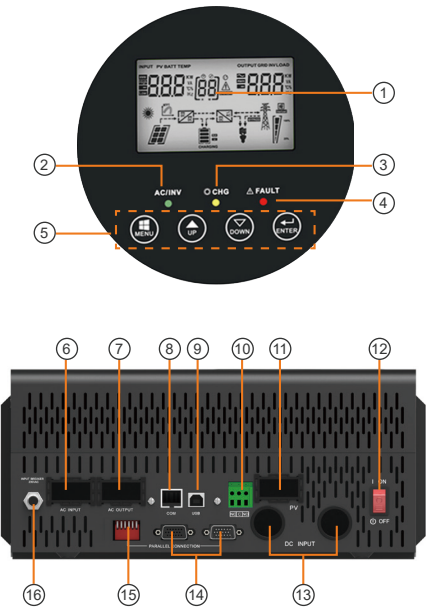
Features

- 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



1. LCD Display

2. Status Indicator

3. Charging Indicator

4. Fault Indicator

5. Function Buttons

6. AC Input

7. AC Output

8. RS-485 Communication port
9. USB

10.Dry Contact

11.PV Input

12.Power On/Off Switch

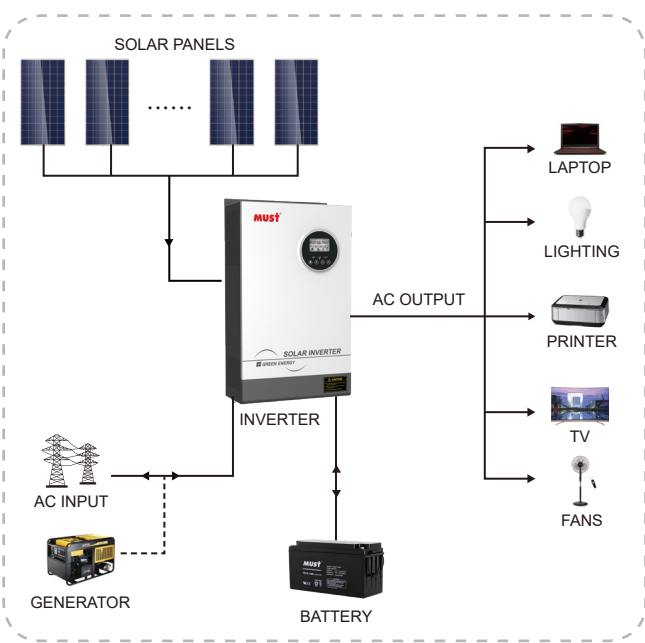
13.Battery Input

14.Parallel communication port

15.Parallel switch

16.Circuit breaker

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)	289*414*124.5	330*488*119
Package Dimensions (W*H*D)(mm)	393*488*251	396*638*241
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℃	