

Pure Sine wave High Frequency solar Inverter(450V)

PV1800 PRO Series (5.2KW)



Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- 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)

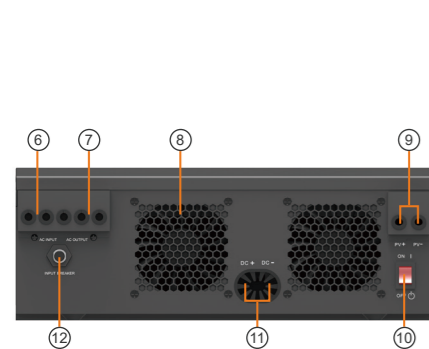
Introduction

PV1800PRO is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. PV1800 PRO Series can run without battery. The Maximum PV array open circuit voltage can reach 450V and MPPT voltage is 150~430Vdc, which Can help customers make full use of solar energy.

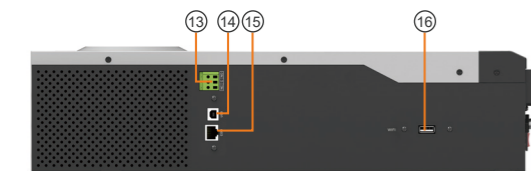
Back panel printing description



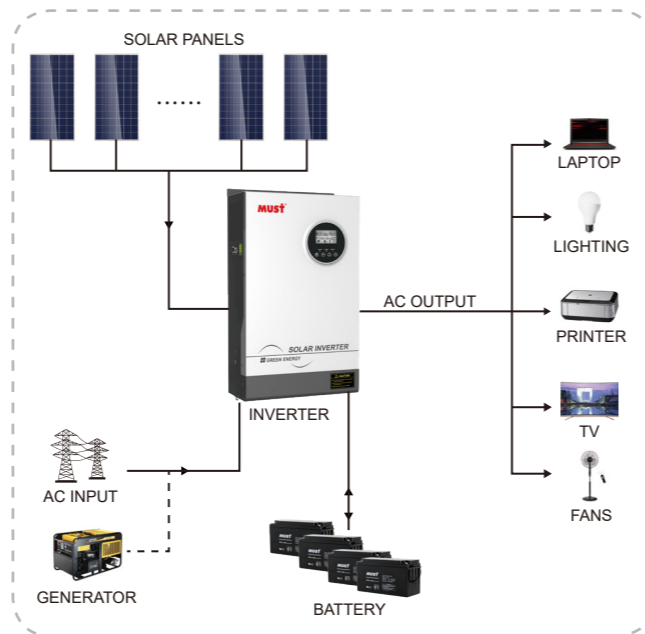
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



6. AC Input
7. AC Output
8. 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



Solar system connection



Specification

MODEL		PV18-5248 PRO
Nominal Battery System Voltage		48VDC
INVERTER OUTPUT	Rated Power	5200VA / 5200W
	Surge Power	10400W
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)
AC INPUT	Voltage	230VAC±5%
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)
	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	450VDC
	Maximum PV current	18A
	PV Array MPPT Voltage Range	150~430 VDC
	Maximum Solar Charge Current	80Amp
	Maximum AC Charge Current	60Amp
	Maximum Charge Current	80Amp
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	295*528*121
	Package Dimensions (W*H*D)(mm)	628*425*251
	Net Weight(kg)	14
	Gross Weight(kg)	15
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C ~60°C