



PV1800 PRO SERIES (3KW, 5.2KW)

Pure Sine wave High Frequency solar Inverter(450V)

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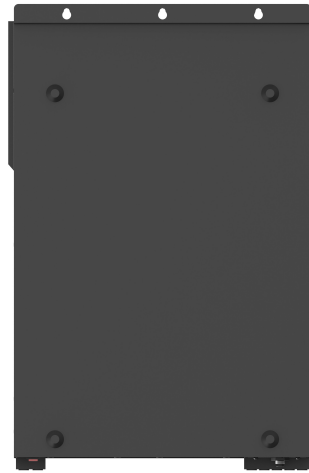
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Pure Sine wave High Frequency solar Inverter(450V)



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 MPP voltage is 150~450V, which Can help customers make full use of solar energy.

FEATURES

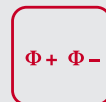
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT 80A solar charge controller
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function with free CD
- WIFI remote monitoring (optional)
- Compatible to generator
- Can Run Without Battery



Rated power
3KW/5.2KW



Battery Voltage
24VDC/48VDC



MAX PV Array
Open Circuit Voltage 450V



WIFI remote
monitoring



Multi Protection



High frequency above
93% high efficiency



Wide MPPT input
150-450V



Battery Optional

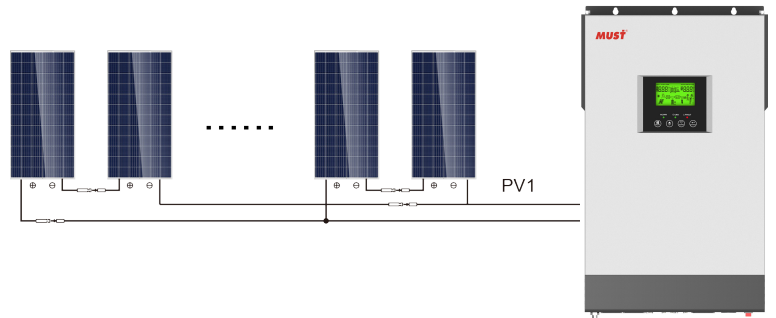


WIFI COMMUNICATION

You can download this app on your cellphone and monitor the whole system, you will know how much electricity the system generate and sell to utility.

HIGH PV VOLTAGE

Maximum PV Array Open Circuit Voltage can reach to 450V, PV Array MPPT Voltage Range is 150-450Vac, which help use more solar energy and save electricity.



INVERTER SYSTEM CONNECTION

PV1800 PRO inverter system, it can work with battery as back up power for normal home power demands, which take use of sunshine freely and save lots electricity bill for you.

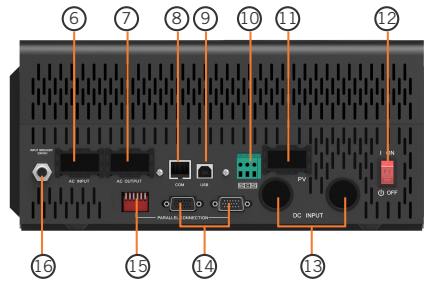
Solar Inverter System Connection:

Power Inverter + Battery + Solar Panels + Grid + Application Loads

PV1800 PRO series can provide power to the load without battery.

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Pure Sine wave High Frequency solar Inverter(450V)



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

MODEL		PV18-3028 PRO	PV18-5248 PRO
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3000VA / 3000W	5200VA / 5200W
	Surge Power	6KVA	10.4KVA
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
	Inverter Efficiency(Peak)	90%~93%	
	Transfer Time	10ms (For personal computers) 20ms (For home appliance)	
AC INPUT	Voltage	230VAC±5%	
	Selectable Voltage Range	170~280VAC(For personal computer) \ 90~280VAC(For home appliances) \ 184~253VAC(VE4105)	
	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 current	18A	
	PV Array MPPT Voltage Range	150~450 VDC	
	Maximum Solar Charge Current	80Amp	
	Maximum AC Charge Current	60Amp	
	Maximum Charge Current	80Amp	
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	272*355*100	295*528*121
	Package Dimensions (W*H*D)(mm)	540*395*241	628*425*251
	Net Weight(kg)	11	14
	Gross Weight(kg)	12	15
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	-10°C ~50°C	
	Storage Temperature	-15°C ~60°C	