

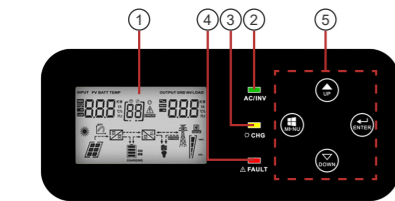
Features

- 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: 400V
- 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, CAN monitoring function
- WIFI remote monitoring (Built in wifi module and antenna)
- PV/ AC activation function
- BMS communication function

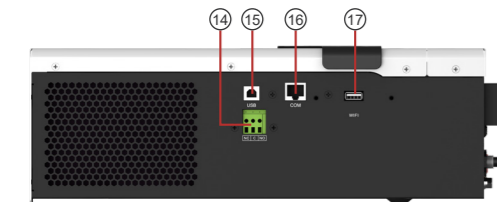
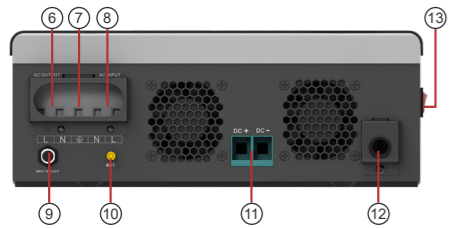
Introduction

PV1800 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. PV1800 PRO Series can run without battery. The Maximum PV array open circuit voltage can reach 400V and MPPT voltage is 60~320Vdc, which Can help customers make full use of solar energy.

Back panel printing description

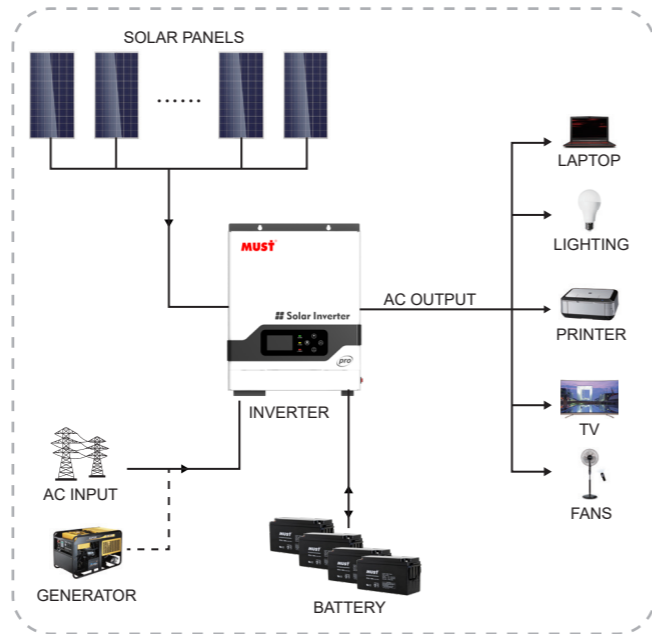


1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



6. AC input
7. Ground
8. AC output
9. Circuit breaker
10. External WIFI antenna (optional)
11. Battery input
12. PV input
13. Power on/off switch
14. Dry contact
15. USB
16. RS-485, CAN communication port
17. WIFI (optional)

Solar system connection



Specification

MODEL		PV18-2024 PRO	PV18-3224 PRO
Nominal Battery System Voltage		24VDC	
INVERTER OUTPUT	Rated Power	2000VA / 2000W	3200VA / 3200W
	Surge Power	4000W	6400W
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
	Inverter Efficiency(Peak)	90%	
	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	24VDC	
	Floating Charge Voltage	27.4VDC	
	Overcharge Protection	30VDC	
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	400VDC	
	Maximum PV input voltage	18A	
	Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
	Maximum PV Array Power	3000W	4000W
	PV Array MPPT Voltage Range	60~320 VDC	
	Maximum Solar Charge Current	80A	100A
	Maximum AC Charge Current	40A	60A
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	367*290*111mm	
	Package Dimension (W*H*D)	/	
	G.W (kg)	/	
OTHER	N.W (kg)	/	
	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
Storage Temperature	-15°C ~60°C		