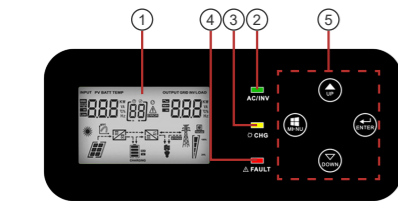


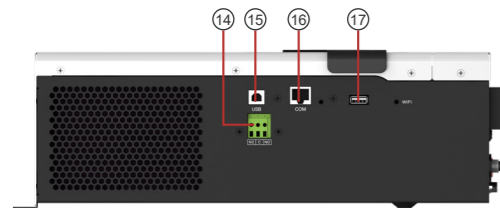
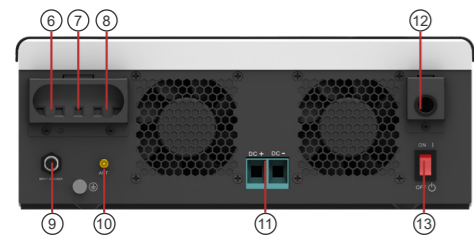
### Introduction

PV1800 PREM 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 PREM 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

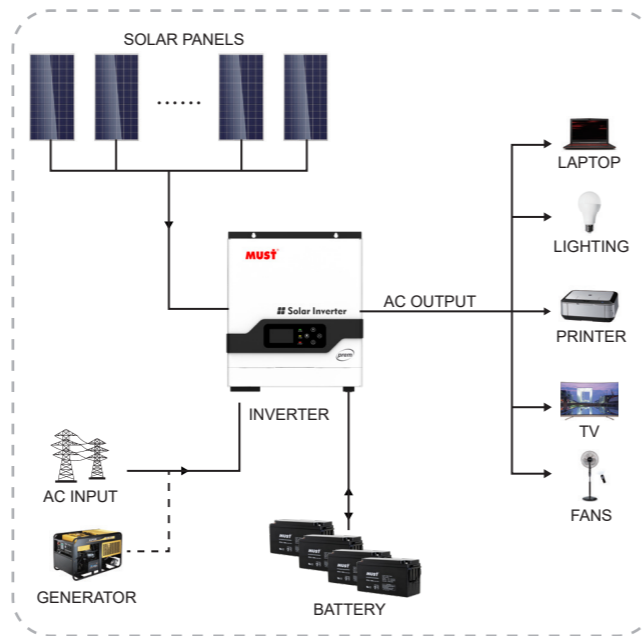


1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



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

### Solar system connection



### Specification

MODEL	PV18-3524 PREM	
Nominal Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	3500VA / 3500W
	Surge Power	7000W
	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	4000W
	PV Array MPPT Voltage Range	60~320 VDC
	Maximum Solar Charge Current	100A
	Maximum AC Charge Current	60A
Maximum Charge Current	100A	
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	367.5*120.9*318mm
	Package Dimension (W*H*D)	459.410*200mm
	G.W	6.7kg
	N.W	7.7kg
	OTHER	Humidity
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C ~60°C