


High frequency solar inverter

PV1800 VM Series (2.5KW-3KW)



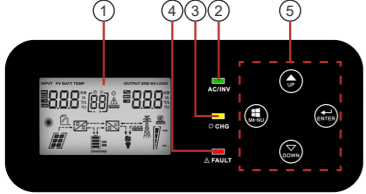
Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 60Asolar charge controller
- 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

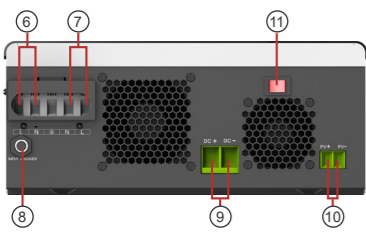
Introduction

This is a multi-function inverter/charger, combining functions of inverter, MPPT 60A solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

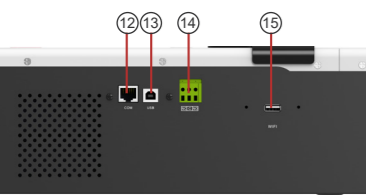
Back panel printing description



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



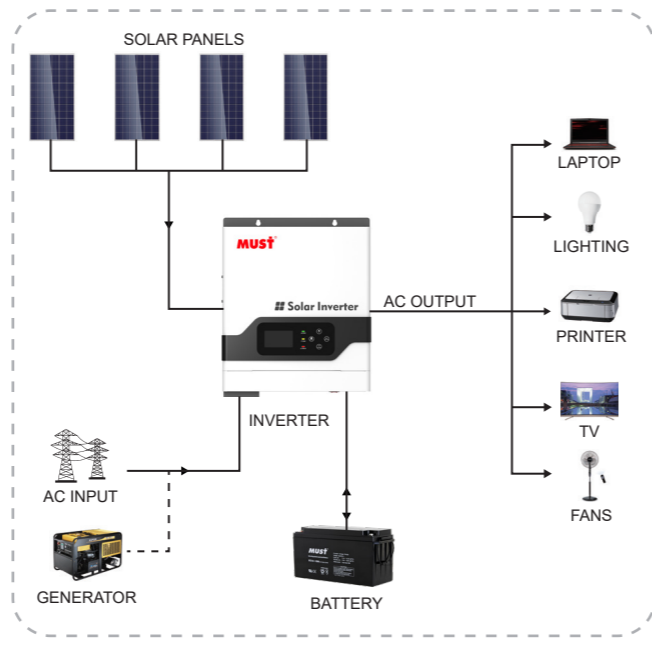
6. AC input
7. AC output
8. Circuit breaker
9. Battery input
10. PV input
11. Power on/off switch



12. RS-485 Communication port
13. USB
14. Dry contact
15. USB wifi

[PV1800 VM 3K]

Solar system connection



Specification

MODEL	PV18-2524 VM	PV18-3024 VM
Default Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	2500VA / 2000W
	Surge Power	5000VA
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(Setting)
	Inverter Efficiency(Peak)	90%~93%
	Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)
	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	145VDC
	PV Array MPPT Voltage Range	30~120VDC
	Standby Power Consumption	2W
	Maximum PV Array Power	1500W
	Maximum Solar Charge Current	60A
	Maximum Efficiency	98%
	Maximum AC Charge Current	10A or 20A
Maximum Charge Current	70A	
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	225*355*92mm
	Package Dimension (W*H*D)	/
	G.W (kg)	/
	N.W (kg)	/
	OTHER	Humidity
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C -60°C