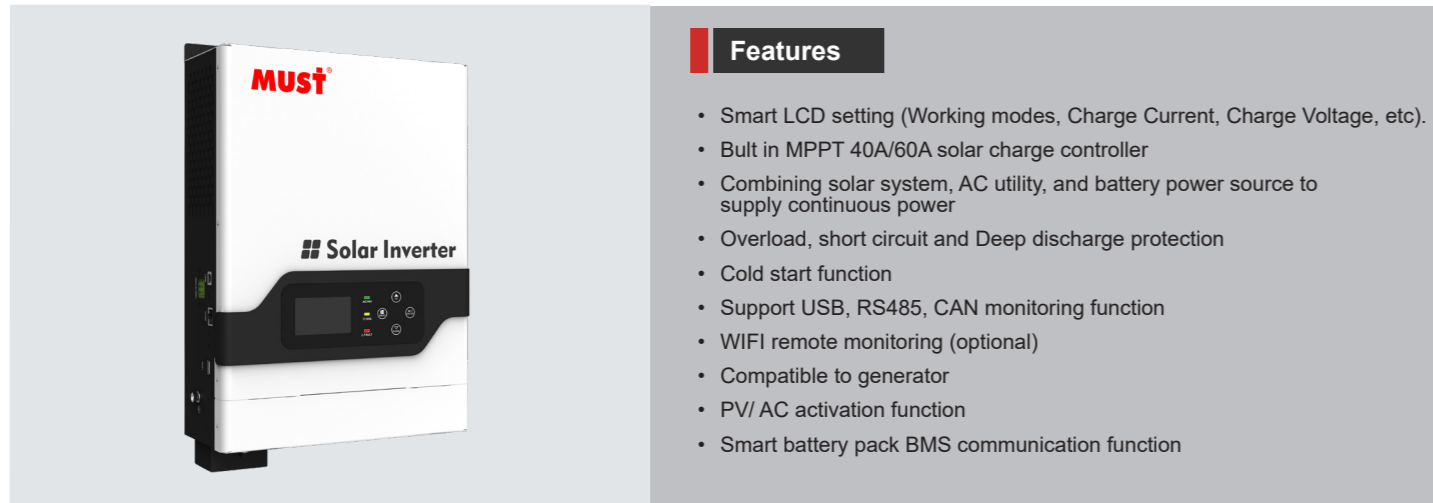


# High Frequency Solar Inverter

## PV1800 VPM II Series (1.2KW-3KW)



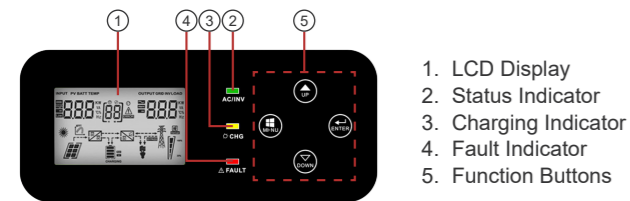
### Features

- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 40A/60A solar 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, CAN monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator
- PV/ AC activation function
- Smart battery pack BMS communication function

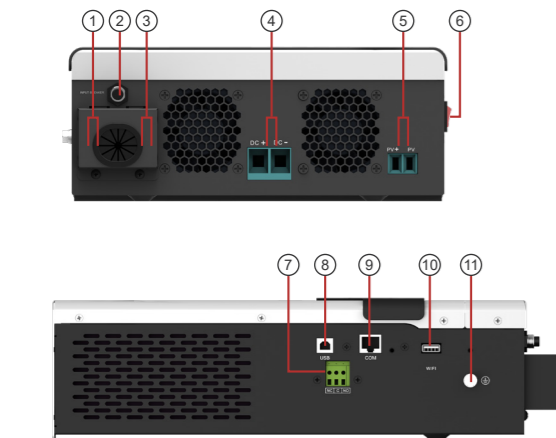
### Introduction

This is a multi-function inverter/charger, combining functions of inverter, MPPT 40A/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



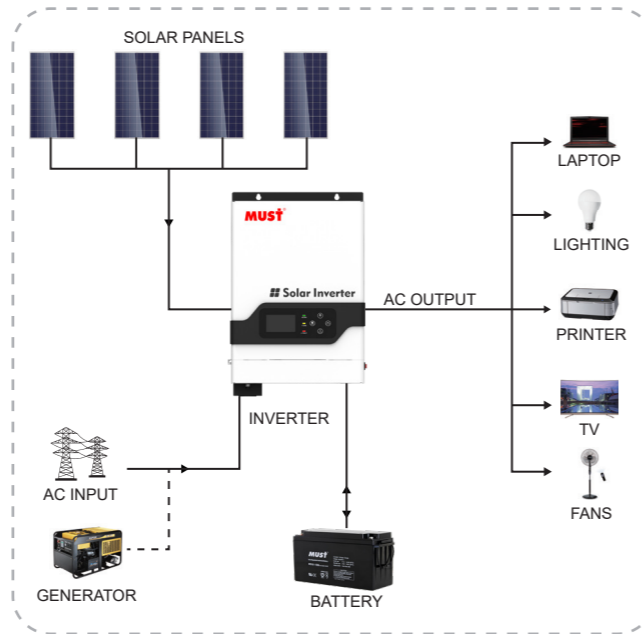
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[ PV1800 2-3K VPM II ]

1. AC output
2. Circuit breaker
3. AC input
4. Battery input
5. PV input
6. Power on/off switch
7. Dry contact
8. USB Communication port
9. RS-485,CAN Communication port
- 10.USB WiFi port (optional)
11. Ground

### Solar system connection



### Specification

MODEL		PV18-1224 VPM II	PV18-2024 VPM II	PV18-3024 VPM II
Default Battery System Voltage		24VDC		
INVERTER OUTPUT	Rated Power	1200VA / 1200W	2000VA / 2000W	3000VA / 3000W
	Surge Power	2400VA	4000VA	6000VA
	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	120VDC	160VDC	
	PV Array MPPT Voltage Range	30~96VDC	30~128VDC	
	Standby Power Consumption	2W		
	Maximum PV Array Power	1000W	1500W	
	Maximum Solar Charge Current	40A	60A	
	Maximum Efficiency	98%		
	Maximum AC Charge Current	30A	40A	60A
	Maximum Charge Current	70A	100A	120A
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	224*337*98mm	367.4*254.5*103mm	
	Package Dimension (W*H*D)	299*292*184mm	436*331*189mm	
	G.W	4.7kg	5.5kg	
	N.W	5.5kg	6.5kg	
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)		
	Operating Temperature	0°C~50°C		
	Storage Temperature	-15°C -60°C		