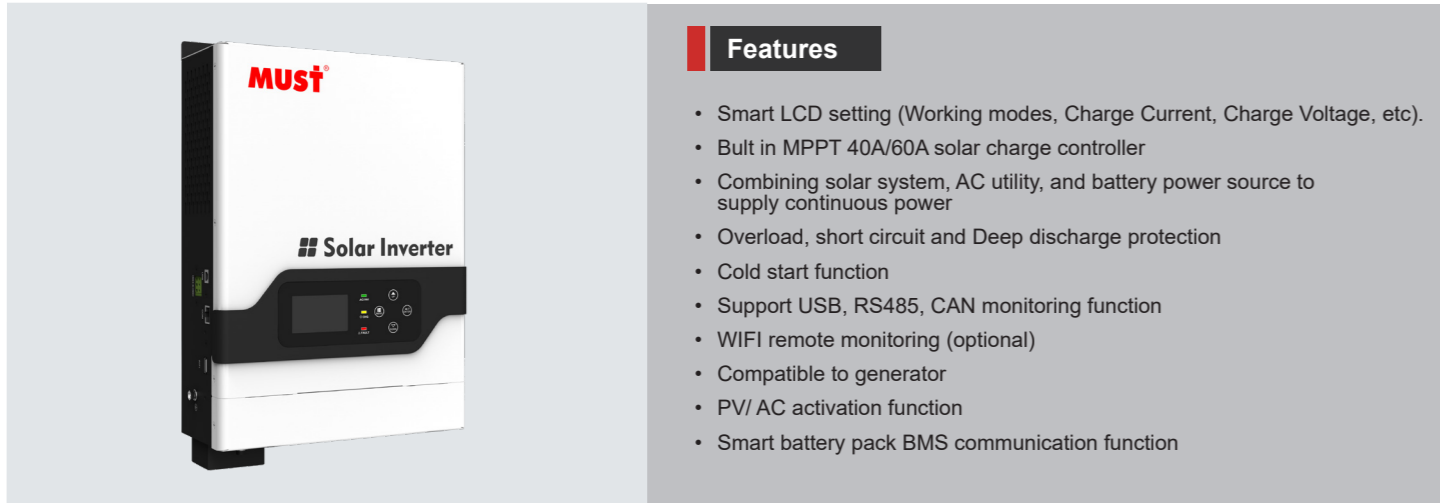


High Frequency Solar Inverter

PV1800 VPM II Series (1.2KW-3KW)



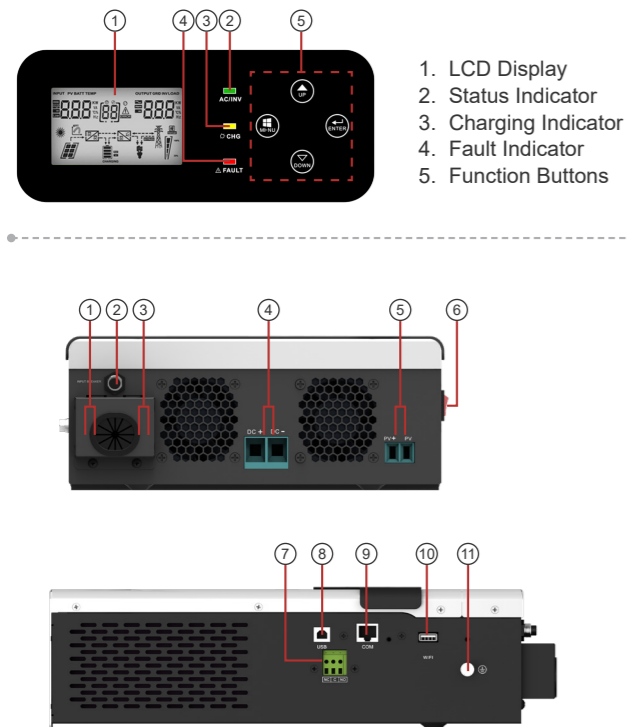
Features

- 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

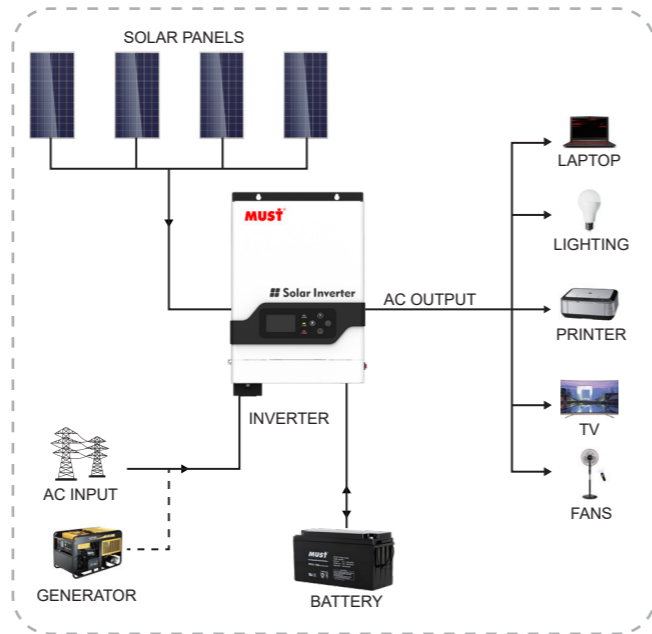
This is a multi-function inverter/charger, combining functions of inverter, MPPT 40A/60A solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, 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

Solar system connection



[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

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		