


High Frequency Off Grid Solar Inverter

PV1800 VHM Series (3KW-5.5KW/250V)



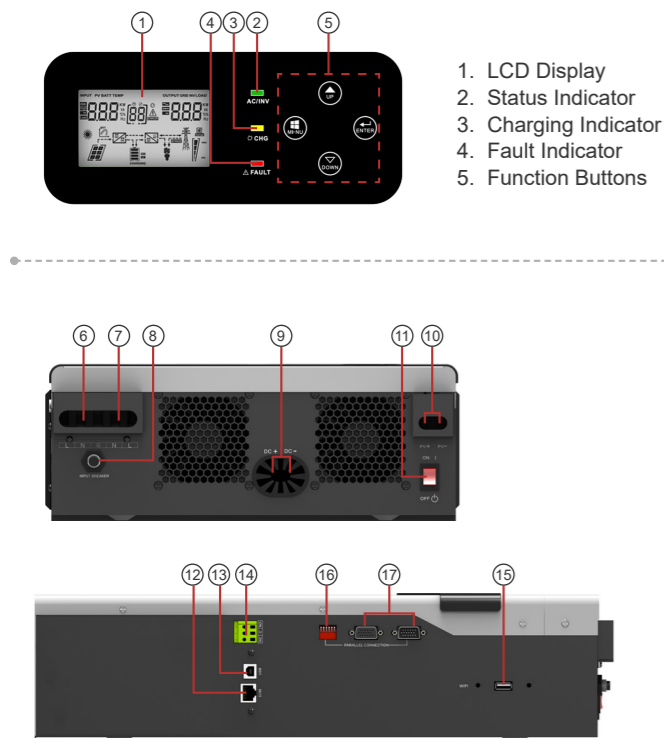
Features

- Rated power : 3KW -5.5KW
- Pure sine wave solar inverter
- Max PV Array Open Circuit Voltage: 250V
- Output power factor 1
- Built-in 80A MPPT solar charger
- Support parallel operation up to 3 units
- Communication CAN/485 port for BMS (optional)
- PV lithium battery activation function
- WIFI remote monitoring (optional)
- Compatible to generator

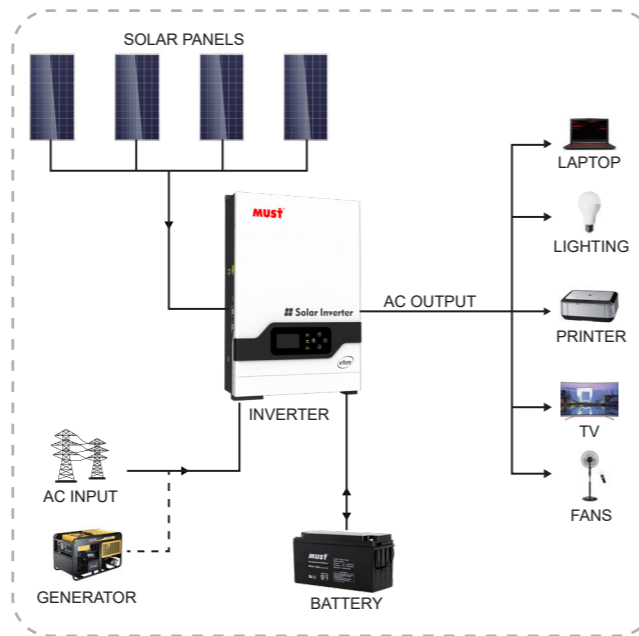
Introduction

PV1800 VHM is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in 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



Solar system connection



Specification

MODEL	PV18-3048 VHM	PV18-4048 VHM	PV18-5048 VHM	PV18-5548 VHM	
Nominal Battery System Voltage		48VDC			
INVERTER OUTPUT	Rated Power	3000W	4000W	5000W	5500W
	Surge Power	6000W	8000W	10000W	11000W
	Waveform	Pure Sine Wave			
	AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC)±5%			
	Inverter Efficiency(Peak)	93%			
	Transfer Time	10ms (UPS / VDE4105) 20ms (APL)			
AC INPUT	Voltage	230VAC			
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE4105)			
	Frequency Range	50Hz / 60Hz(Auto sensing)			
BATTERY	Normal Voltage	48VDC			
	Floating Charge Voltage	54.8VDC			
	Overcharge Protection	60VDC			
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	250VDC			
	PV Array MPPT Voltage Range	60~200VDC			
	Standby Power Consumption	2W			
	PV Input Power (STC)	4500W			
	Maximum Solar Charge Current	80A			
	Maximum Efficiency	98%			
	Maximum AC Charge Current	60A			
MECHANICAL SPECIFICATIONS	Maximum Charge Current	140A			
	Machine Dimension (W*H*D)	329*485*134mm			
	Package Dimension (W*H*D)	/			
	G.W (kg)	/			
	N.W (kg)	/			
OTHER	Humidity	5% to 95% Relatly Humidity (Non-condensing)			
	Operating Temperature	0°C~50°C			
	Storage Temperature	-15°C ~60°C			