

HIGH FREQUENCY SOLAR INVERTER PV1800 VPM II Series

1.2~4KW | 24V | 40~60A

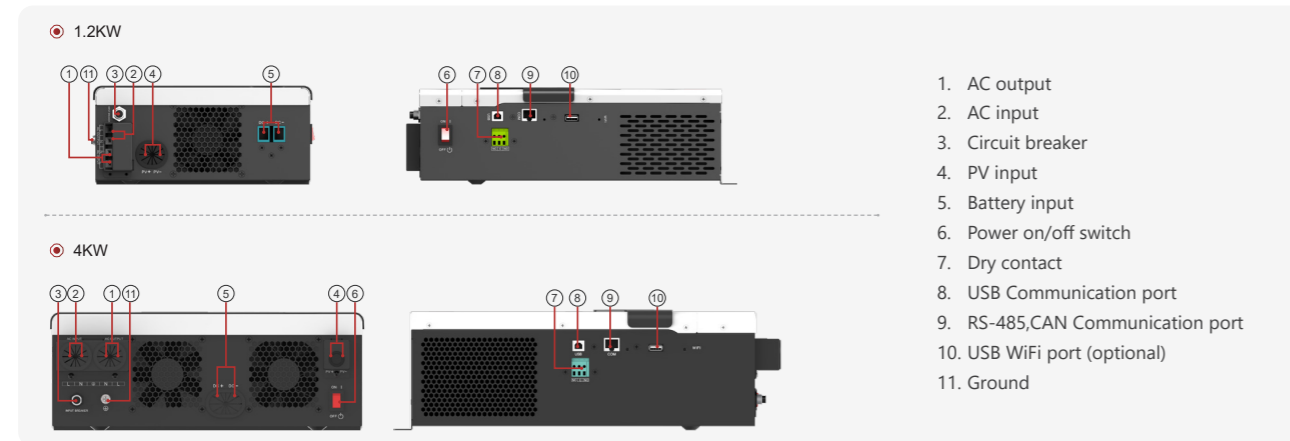


This is a multi-function inverter/charger, combining functions of inverter, MPPT 40A/60A solar charge controller and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging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

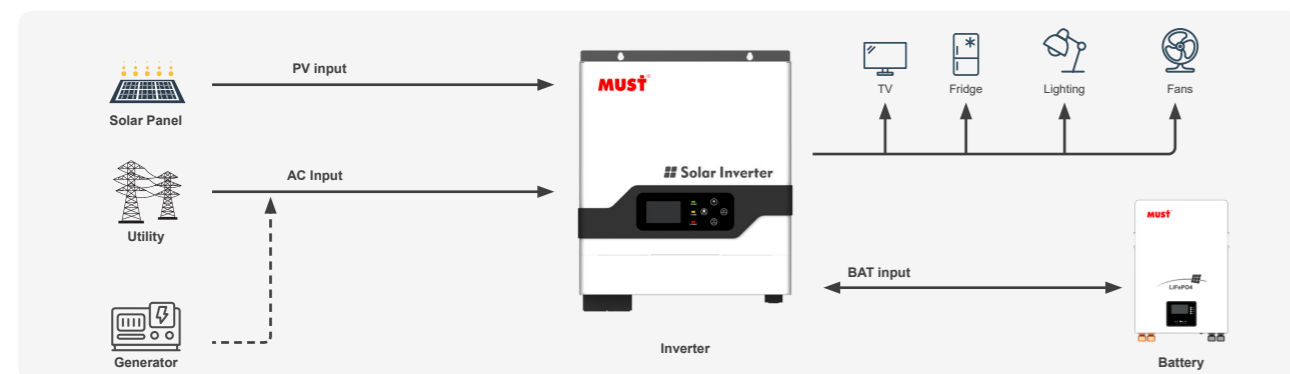


- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 40A/60A solar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485, CAN monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator
- PV/ AC activation function
- Smart battery pack BMS communication function (CAN Port)

Back panel description



Solar system connection



MODEL	PV18-1224 VPM II	PV18-2224 VPM II	PV18-3224 VPM II	PV18-4024 VPM II
Default Battery System Voltage	24VDC			
INVERTER OUTPUT				
Rated Power	1200VA / 1200W	2200VA / 2200W	3200VA / 3200W	4000VA / 4000W
Surge Power	2400VA	4400VA	6400VA	8000VA
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	160VDC	160VDC
PV Array MPPT Voltage Range(Typ.)	30~96VDC	30~128VDC	30~128VDC	30~128VDC
Standby Power Consumption	2W			
Maximum PV Array Power	1000W	1600W	1600W	1600W
Maximum Solar Charge Current	40A	60A	60A	60A
Maximum Efficiency	98%			
Maximum AC Charge Current	30A	40A	60A	60A
Maximum Charge Current	70A	100A	120A	120A
MECHANICAL SPECIFICATIONS				
Machine Dimension (W*H*D)	224*337*98mm	367.4*254.5*103mm	367.4*254.5*103mm	367.4*318*121mm
Package Dimension (W*H*D)	299*292*184mm	436*331*189mm	436*331*189mm	549*410*200mm
N.W (kg)	4.7kg	5.5kg	5.5kg	5.9kg
G.W (kg)	5.5kg	6.5kg	6.5kg	7.2kg
OTHER				
Humidity	5% to 95% Relativ Humidity (Non-condensing)			
Operating Temperature	0°C~50°C			
Storage Temperature	-15°C -60°C			
CERTIFICATION & STANDARDS				
CE-EMC+LVD(EN6100-6-3:2007, EN6100-6-1:2017+EN IEC62109-1:2010, EN IEC62109-2:2011)				