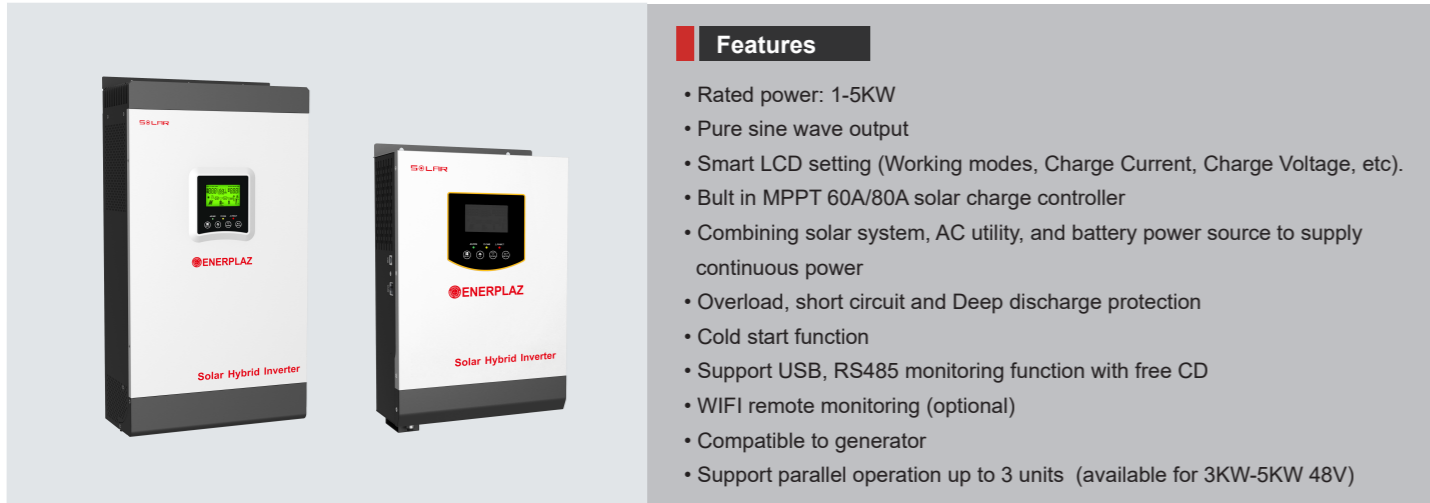


Pure sine wave high frequency solar inverter with MPPT inside  
PV1800 VPM Series (1-5KW)



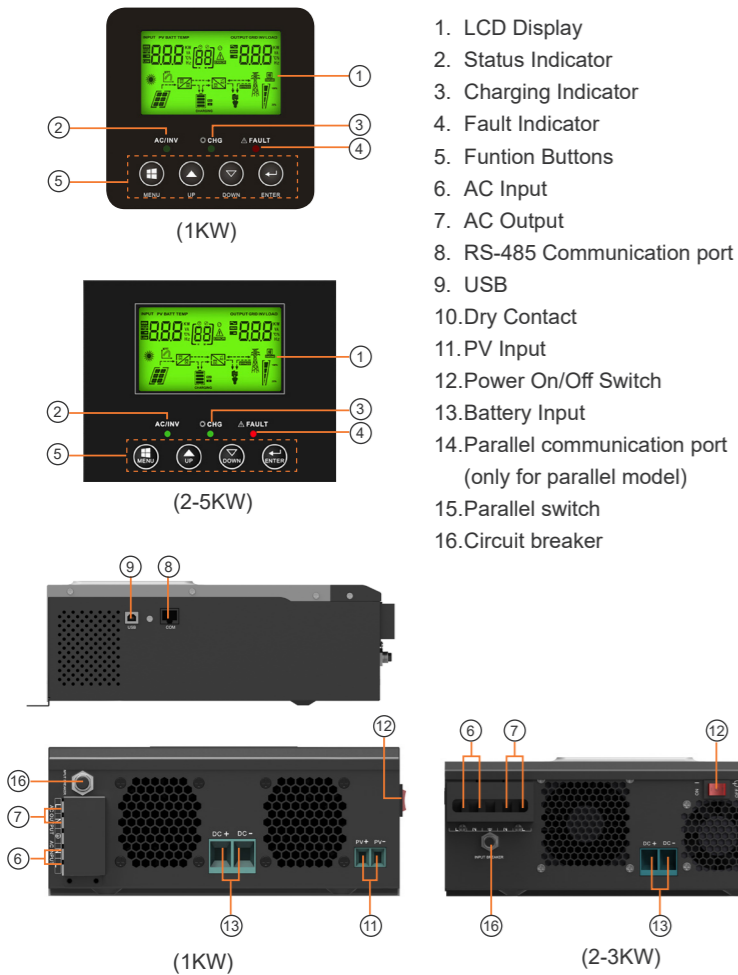
**Features**

- Rated power: 1-5KW
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 60A/80A 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 monitoring function with free CD
- WIFI remote monitoring (optional)
- Compatible to generator
- Support parallel operation up to 3 units (available for 3KW-5KW 48V)

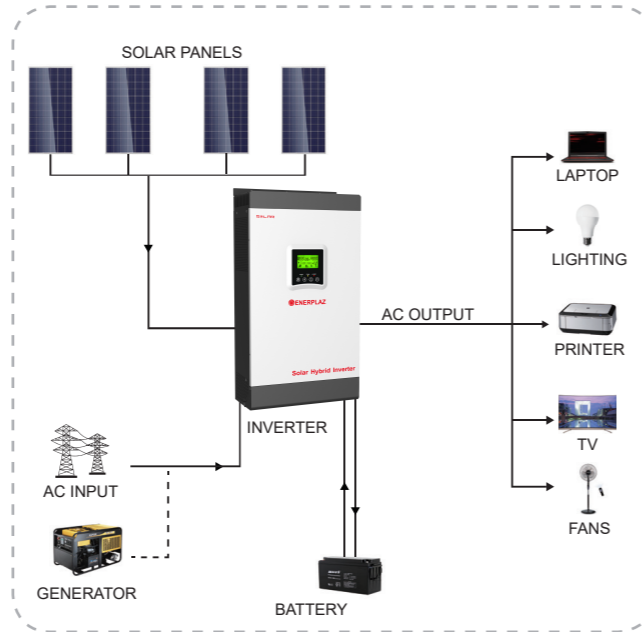
**Introduction**

This is a multi-function inverter/charger, combining functions of inverter, MPPT 60A/80A 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**



**Solar system connection**



**Specification**

MODEL	PV18-1012 VPM	PV18-2024 VPM	PV18-3024 VPM	PV18-3048 VPM	PV18-4048 VPM	PV18-5048 VPM
Default Battery System Voltage		12VDC	24VDC		48VDC	
INVERTER OUTPUT	Rated Power	1000VA \ 1000W	2000VA \ 2000W	3000VA \ 3000W	3000VA \ 3000W	4000VA \ 4000W \ 5000VA \ 5000W
	Surge Power	2000VA	4000VA	6000VA	6000VA	8000VA \ 10000VA
	Waveform	Pure sine wave				
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(Setting)				
	Inverter Efficiency(Peak)	90%~93%				
	Transfer Time	10ms(For Personal Computers) \ 20ms(For Home Appliances)				
AC INPUT	Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(For Personal Computers) \ 90~280VAC(For Home Appliances) \ 184~253VAC(VDE)				
	Frequency Range	50Hz \ 60Hz (Auto sensing)				
BATTERY	Normal voltage	12VDC	24VDC	48VDC		
	Floating Charge Voltage	13.7VDC	27.4VDC	54.8VDC		
	Overcharge Protection	15VDC	30VDC	60VDC		
SOLAR CHARGER & AC CHARGER"	Maximum PV Array Open Circuit Voltage	55VDC	100VDC	145VDC		
	PV Array MPPT Voltage Range	15~55VDC	30~80VDC	64~130VDC		
	Standby Power Consumption	2W				
	Maximum PV Array Power	625W	1250W	4000W		
	Maximum Solar Charge Current	60A			80A	
	Maximum Efficiency	98%				
	Maximum AC Charge Current	10A or 20A	20A or 30A	60A		
Maximum Charge Current	80A	80A	140A			
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	225*355*92	272*355*100	297.5*468*125		
	Package Dimensions (W*H*D)(mm)	410*300*78	485*393*251	638*395*241		
	Net Weight(kg)	5	7.4	14		
	Gross Weight(kg)	5.5	9.5	16.4		
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)				
	Operating Temperature	-10°C -55°C				
	Storage Temperature	-15°C -60°C				