



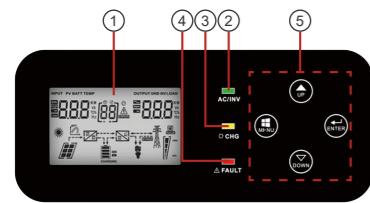
Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 60Asolar 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
- WIFI remote monitoring (optional)
- Compatible to generator

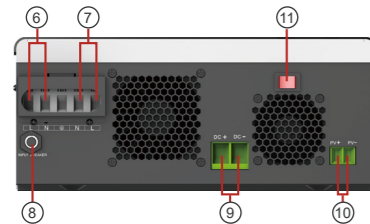
Introduction

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

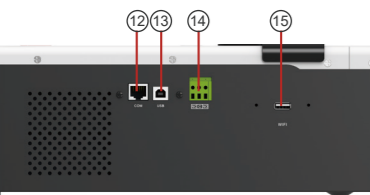
Back panel printing description



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



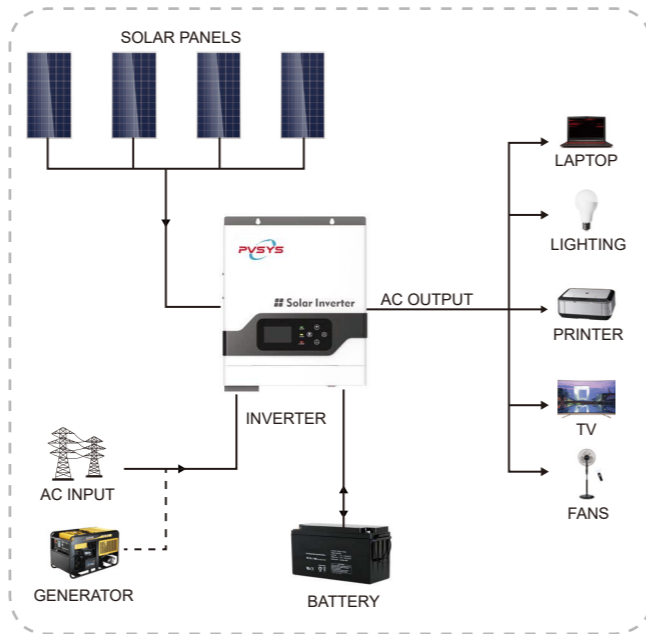
6. AC input
7. AC output
8. Circuit breaker
9. Battery input
10. PV input
11. Power on/off switch



12. RS-485 Communication port
13. USB
14. Dry contact
15. USB wifi

[PV1800 VM 3K]

Solar system connection



Specification

MODEL		PV18-2524 VM	PV18-3024 VM
Default Battery System Voltage		24VDC	
INVERTER OUTPUT	Rated Power	2500VA / 2000W	3000VA / 2500W
	Surge Power	5000VA	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	145VDC	
	PV Array MPPT Voltage Range	30~120VDC	
	Standby Power Consumption	2W	
	Maximum PV Array Power	1500W	
	Maximum Solar Charge Current	60A	
	Maximum Efficiency	98%	
	Maximum AC Charge Current	10A or 20A	
Maximum Charge Current	80A		
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	225*355*92	290*342*125
	Package Dimensions (W*H*D)(mm)	410*300*178	425*390*215
	Net Weight(kg)	5	7.4
	Gross Weight(kg)	5.5	9.5
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C -60°C	