

PV1800VPM SEREIS (1-5KW)

Pure sine wave high frequency solar inverter with MPPT inside

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(1-3KW)

INTRODUCTION

This is a multi-function inverter/charger, combining functions of inverter, MPPT50A/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.

FEATURES

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Bult in MPPT50A/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
- 3KW-5KW support parallel function(optional)



Rated power 1kw-5kw



Multi Protection



Battery Voltage 12VDC/24DC/48VDC



High frequency above 93% high efficiency



MAX charging current 140A



Wide AC input 90-280V



WIFI remote monitoring



Lead-acid/Lithium Battery Optional



WIFI COMMUNICATION

You can download this app on your cellphone and monitor the whole system, you will know know how much electricity the system generate and sell to utility.

REMOTE CONTROL

Control with a wired remote control panel.

The remote control is particularly suitable when the power-source manager is installed behind a casing or in a place that prevents you from accessing the device. The remote control allows you to switch the power saving mode on/off easily. Please note that remote control panel is not optional, not included in inverter package.



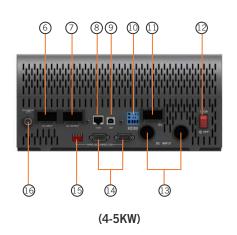
INVERTER SYSTEM CONNECTION PV1800 VPM inverter system, it can work with battery as back up power for normal home power demands.which take use of sunshine freely and save lots electricity bill for you. Solar Inverter System Connection: Power Inverter + Battery + Solar Panels + Grid + Application Loads

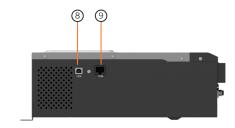


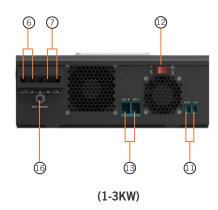
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- 1. LCD Display
- 2. Status Indicator
- 3. Charging Indicator
- 4. Fault Indicator
- 5. Funtion Buttons
- 6. AC Input
- 7. AC Output
- 8. RS-485 Communication port
- 9. USB
- 10. Dry Contact
- 11. PV Input
- 12. Power On/Off Switch
- 13. Battery Input
- Parallel communication port (only for parallel model)
- 15. Parallel switch
- 16. Circuit breaker

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	30	VDC	60VDC		
SOLAR CHARGER & AC CHARGER"	Maximum PV Array Open Circuit Voltage	60VDC	100)VDC	145VDC		
	PV Array MPPT Voltage Range	15~60VDC	30~8	BOVDC	64~130VDC		
	Standby Power Consumption	2W					
	Maximum PV Array Power	625W	1250W 4000W				
	Maximum Solar Charge Current	50A 80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	10A or 20A	20A or 30A		60A		
	Maximum ChargeCurrent	70A	80A		140A		
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	t.b.d	272*355*100 297.5*468*1		297.5*468*125		
	Package Dimensions (W*H*D)(mm)	t.b.d	485*3	485*393*251 638*395*241			
	Net Weight(kg)	t.b.d	7	.4		14	
	Gross Weight(kg)	t.b.d	9	.5	16.4		
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)					
	Operating Temperature	0°C -55°C					
	Storage Temperature	-15°C -60°C					