



POWER SOLID



3KVA SOLAR INVERTER

PSi3000W#24VPVM

High Frequency Off Grid Solar Inverter

PowerSolid

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PSi3000W#24VPVM High Frequency Off Grid Solar Inverter

(3KW)

INTRODUCTION

PSi3000W#24VPVM is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterrupted 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.

FEATURES

- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment



Rated power
3kw



Battery Voltage
24VDC



Auto Frequency Sensing
50Hz



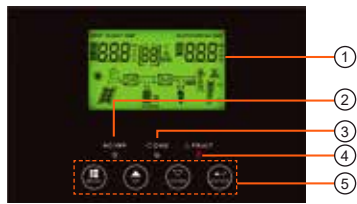
Multi Protection



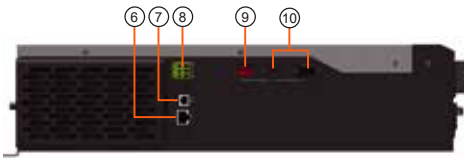
Battery smart
charge design



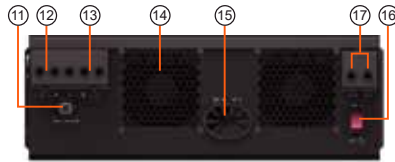
Lead-acid/Lithium Battery
Optional



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. RS-485 Communication port
7. USB
8. Dry contact
9. Parallel switch
10. Parallel communication port (only for parallel model)
11. Circuit breaker
12. AC input
13. AC output
14. Fan
15. Battery input
16. Power on/off switch
17. PV input



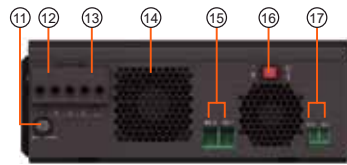
(2KW-5.5KW parallel model)



(2KW-5.5KW parallel model)



(2KW-3KW single model)



(2KW-5.5KW single model)

MODEL		PSi3000W#24VPVM
Nominal Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	3000W
	Surge Power	6000W
	Waveform	Pure Sine Wave
	AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC)±5%
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliance)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170~280VAC(For personal computer) \ 90~280VAC(For Home Appliance) \ 184~253VAC(VDE4105)
	Frequency Range	50Hz/60Hz(Auto sensing)
BATTERY	Normal Voltage	24VDC
	Floating Charge Voltage	27VDC
	Overcharge Protection	30VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC
	PV Array MPPT Voltage Range	30~130VDC
	Standby Power Consumption	2W
	PV Input Power	1500W/2000W
	Maximum Solar Charge Current	60A/80A
	Maximum Efficiency	98%
	Maximum AC Charge Current	20A/30A
	Maximum Charge Current	80A
MECHANICAL SPECIFICATIONS	Machine Dimensions(W*H*D)(mm)	272*355*100
	Package Dimensions(W*H*D)(mm)	540*395*241
	Net Weight(kg)	11
	Gross Weight(kg)	12
OTHER	Humidity	5% to 95% Relatly Humidity (Non-condensing)
	Operating Temperature	0°C ~55°C
	Storage Temperature	-15°C ~60°C