



PSi5000W#48VPVM

Features:

- >> Pure sine wave solar inverter
- >> Output power factor 1.0
- >> 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

Introduction

PSi5000W#48VPVM is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible 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.



Rated power
5kw



Battery Voltage
48VDC



Auto Frequency Sensing
50Hz



Multi Protection



**Battery smart
charge design**



**Lead-acid/Lithium Battery
Optional**

Technical Specifications

Model	PSI5000W#48VPVM
Nominal Battery System Voltage	48VDC
INVERTER OUTPUT	
Rated Power	5000W
Surge Power	10000W
Waveform	Pure Sine Wave
AC Voltage Regulation (Batt.Mode)	(220VAC~240VAC) ±5%
Inverter Efficiency (Peak)	93%
Transfer Time	10ms (Narrow Range) 20ms (Wide Range)
AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170~280VAC (Narrow Range) \ 90~280VAC (Wide Range)
Frequency Range	50Hz/60Hz (Auto sensing)
BATTERY	
Normal Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array OpenCircuit Voltage	145VDC
PV Array MPPT Voltage Range	64~130VDC
Standby Power Consumption	2W
PV Input Power	4000W
Maximum Solar Charge Current	80A
Maximum Efficiency	98%
Maximum AC Charge Current	60A
Maximum Charge Current	140A
MECHANICAL SPECIFICATIONS	
Machine Dimensions(W*H*D) (mm)	297.5*468*125
Package Dimensions(W*H*D) (mm)	638*395*241
Net Weight(kg)	13.3
Gross Weight(kg)	16.4
OTHER	
Humidity	5% to 95% Reality Humidity (Non-condensing)
Operating Temperature	0°C ~55°C
Storage Temperature	-15°C ~60°C