

PVM Off-Grid Inverter

Operation without battery

Pure sine wave solar inverter

Output power factor 1.0

High PV input voltage range

Battery independent design

Built-in 100A MPPT solar charger

Battery equalization function to optimize battery

performance and extend lifecycle

Built-in anti-dusk kit for harsh environment



▼ Anti-Dust Kit

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

PVM Off-Grid Inverter Selection Guide

MODEL	PVM3500-24	PVM5500-48
Rated Power	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers) ; 90-280VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	
OUTPUT		
AC Voltage Regulation(Batt.Mode)	230VAC±5%RMS	
Surge Power	7000VA	11000VA
Efficiency(Peak)	90%~93%	
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24.0V	48.0V
Floating Charge Voltage	27.4V	54.8V
Overcharge protection	33.0V	63.0V
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
Maximum PV Array Power	4000W	5000W
MPPT Operating Voltage Range	120~450VDC	120~450VDC
Maximum Solar Charge Current	100A	100A
Maximum AC Charge Current	80A	80A
Maximum Charge Current	100A	100A
PHYSICAL		
Dimension, L×W×H(mm)	425×330×117	
Net Weight(kgs)	9.5	10.6
Communication Interface	CAN/USB/RS232/RS485/Dry contact	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.

