

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 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

Anti-Dust Kit ▶

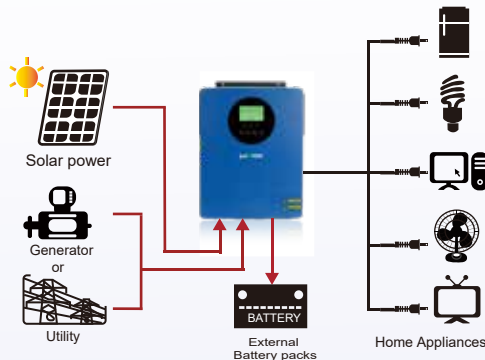
After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment



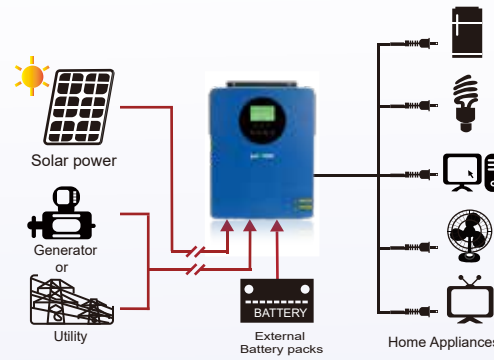
System Diagram:

Operation with battery connected

1 Solar Power and AC Power available

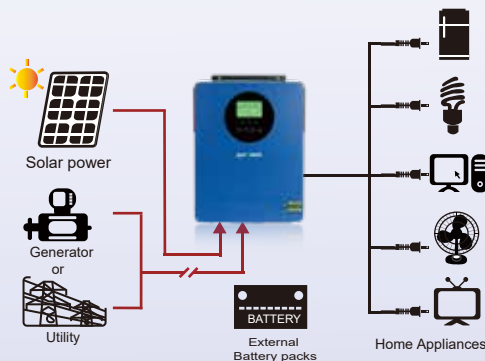


2 Solar Power and AC Power not available

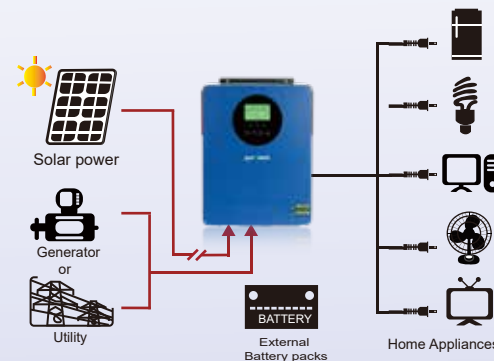


Operation without battery connected

3 Solar Power available



4 AC Power available



PVM Off-Grid Inverter Selection Guide

MODEL	PVG3500-24	PVG5200-48
Rated Power	3500VA/3500W	5200VA/5200W
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 \pm 5%	
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	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge protection	33VDC	63VDC
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	80A	80A
Maximum AC Charge Current	60A	60A
Maximum Charge Current	80A	80A
PHYSICAL		
Dimension, L×W×H(mm)	425×330×117	
Net Weight(kgs)	9.5	10.6
Communication Interface	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.