

Axpert VM II Off-Grid Inverter

First 1.2kw and 2.5kw solar inverter can operate with or without battery, can feed-to-grid.



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Independent battery design
- Optional grid-tie feature
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Built-in anti-dust kit

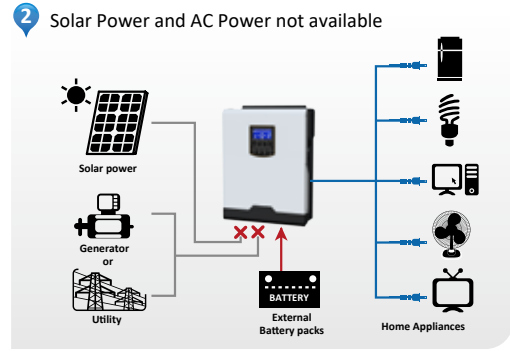
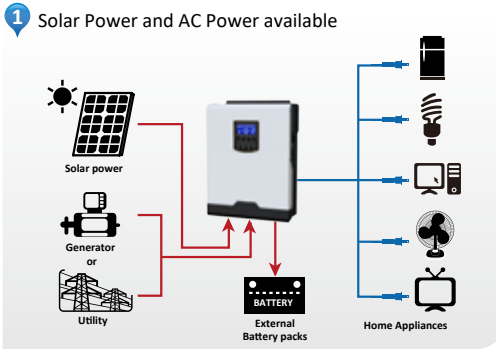
Anti-Dust Kit

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.

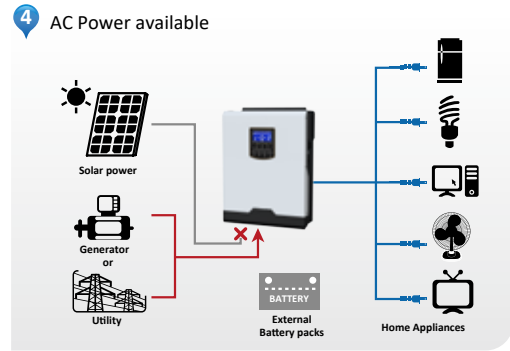
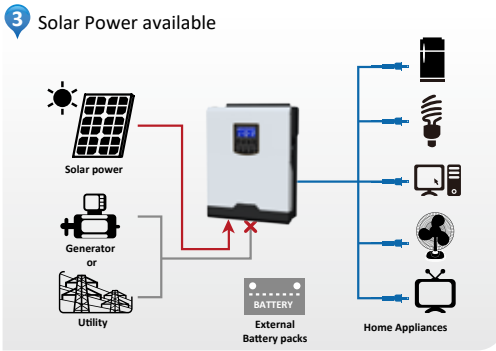


System Diagram:

Operation with battery connected



Operation without battery connected



Axpert VM II Off-Grid Inverter Selection Guide

MODEL	Axpert VM II 1200-12	Axpert VM II 2500-24
Rated Power	1200VA/1200W	2500VA/2500W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Surge Power	2400VA	5000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	400 VDC	
Maximum PV Array Power	2000W	
MPP Range @ Operating Voltage	120~380 VDC	
Maximum Solar Charge Current	60 A	
Maximum AC Charge Current	40 A	
Maximum Charge Current	60 A	
PHYSICAL		
Dimension, D x W x H (mm)	90 x 288 x 368	
Net Weight (kgs)	6.5	6.5
Communication Interface	USB/RS232	
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.