

# Axpert VM II Off-Grid Inverter

## Operation without battery



- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Battery independent design
- Built-in 80A and 100A MPPT solar charger for 1.2K/2.5K/3K Premium and 3K/5K respectively
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment (only for 3K/5K models)

## Axpert VM II Off-Grid Inverter Selection Guide

MODEL	Axpert VM II 1200-12	Axpert VM II 2500-24	Axpert VM II Plus 3000-24	Axpert VM II 3000-24	Axpert VM II 5000-48
<b>RATED POWER</b>	1200VA/1200W	2500VA/2500W	3000VA/3000W	3000VA / 3000W	5000VA / 5000W
<b>INPUT</b>					
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)				
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%				
Surge Power	2400VA	5000VA	6000VA	6000VA	10000VA
Efficiency (Peak)	93%				
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
<b>BATTERY</b>					
Battery Voltage	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	32 VDC	32 VDC	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>					
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	450 VDC	500 VDC	500 VDC
Maximum PV Array Power	2000W	3000W	3000W	4000 W	5000 W
MPP Range @ Operating Voltage	60-300 VDC	60-400 VDC	60-400 VDC	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	80 A		80A	100 A	100 A
Maximum AC Charge Current	80 A		80A	100 A	100 A
Maximum Charge Current	80 A		80A	100 A	100 A
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	90 x 288 x 357		100 x 288 x 390	100 x 300 x 440	
Net Weight (kgs)	6.5	7.1	8.0	9	10
Communication Interface	RS232		RS232	USB/RS232 (optional USB/Dry contact)	
<b>ENVIRONMENT</b>					
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.