

# Axpert VM II Premium Off-Grid Inverter



Axpert VM II Premium 1.2K/  
Axpert VM II Premium 2.5K

Axpert VM II Premium 3K

Axpert VM II Premium 5K

- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

## Axpert VM II Premium Off-Grid Inverter Selection Guide

MODEL	Axpert VM II Premium 1.2K	Axpert VM II Premium 2.5K	Axpert VM II Premium 3K	Axpert VM II Premium 5K
Rated Power	1200VA/1200W	2500VA/2500W	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	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	48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	
Overcharge Protection	16 VDC	32 VDC	63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	500 VDC	
Maximum PV Array Power	2000W	3000W	5000W	
MPP Range @ Operating Voltage	60 ~ 300 VDC	60 ~ 400 VDC	120 ~ 450VDC	
Maximum Solar Charge Current	100 A		100A	
Maximum AC Charge Current	80A		100A	
Maximum Charge Current	100A		100A	
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	90 x 288 x 357		110 x 288 x 390	120 x 300 x 440
Net Weight (kgs)	6.5	7.0	7.2	10
Communication Interface	RS232/RS485, optional WiFi			
<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.