

# OFF- GRID INVERTER

## Axpert VM II Premium



- 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 3K
Rated Power		3000VA/3000W
<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		6000VA
Efficiency (Peak)		93%
Transfer Time		10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform		Pure sine wave
<b>BATTERY</b>		
Battery Voltage		24 VDC
Floating Charge Voltage		27 VDC
Overcharge Protection		32 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type		MPPT
Maximum PV Array Open Circuit Voltage		450 VDC
Maximum PV Array Power		3000W
MPP Range @ Operating Voltage		30~400 VDC (30~60VDC with battery connected) 60 - 400 VDC
Maximum Solar Charge Current		100 A
Maximum AC Charge Current		80 A
Maximum Charge Current		100 A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)		110 x 288 x 390
Net Weight (kgs)		7.2
Communication Interface		RS232/RS485 For Lithium Battery BMS communication
<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.