

# 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 3 K
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 ± 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.