



## Axpert VM II

### Off-Grid Inverter 1500W 12V

- Economical solar inverter with affordable price
- Easy install, one battery 12vdc
- Wide PV input voltage range starts from 30VDC
- Battery independent design
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit



<b>MODEL</b>	<b>Axpert VM II 1500-12</b>
<b>RATED POWER</b>	1500VA/1500W
<b>INPUT</b>	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For 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%
Output Power	1500W with PV & battery 1200W with battery only
Surge Power	2400VA
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
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	400 VDC
Maximum PV Array Power	2500W*
MPP Range @ Operating Voltage	30-400 VDC (Minimum 60VDC without battery connected)
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	90 x 288 x 357
Net Weight (kgs)	6.5
Communication Interface	RS-232
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

\*Max PV power can be reached only within PV input voltage range of 250VDC ~ 400VDC.  
Product specifications are subject to change without further notice