

# Axpert VM II Off-Grid Inverter



- 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

Off-Grid Inverter

## Axpert VM II Off-Grid Inverter Specification

MODEL	Axpert VM II 1500-12
RATED POWER	1500VA/1500W
INPUT	
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)
OUTPUT	
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
BATTERY	
Battery Voltage	
Floating Charge Voltage	12 VDC
Overcharge Protection	13.5 VDC
SOLAR CHARGER & AC CHARGER	16 VDC
Solar Charger Type	
Maximum PV Array Open Circuit Voltage	MPPT
Maximum PV Array Power	350 VDC
MPP Range @ Operating Voltage	2000W
Maximum Solar Charge Current	30-300 VDC (30V-60V with battery)
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension, D x W x H (mm)	80A
Net Weight (kgs)	
Communication Interface	90 x 288 x 357
OPERATING ENVIRONMENT	
Humidity	6.5
	RS-232
Operating Temperature	
Storage Temperature	5% to 95% Relative Humidity (Non-condensing)
	-10°C to 50°C
	-15°C to 60°C

Product specifications are subject to change without further notice.