

# Axpert Off-Grid Inverter



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

## Axpert V Off-Grid Inverter Selection Guide

MODEL	Axpert VP3000-24	Axpert VM3000-24	Axpert VM3000-24 Plus	Axpert VP5000-48	Axpert VM5000-48
Rated Power	3000VA / 2400W			5000VA / 4000W	
<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			10000VA	
Efficiency (Peak)	90% ~ 93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
<b>BATTERY</b>					
Battery Voltage	24 VDC			48 VDC	
Floating Charge Voltage	27 VDC			54 VDC	
Overcharge Protection	32 VDC			63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>					
Solar Charger type	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	75 VDC	100 VDC	145 VDC	105 VDC	145 VDC
Maximum Solar Charge Current	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	25 A			60 A	
Maximum Charge Current	70 A	60 A	120 A	110 A	120 A
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	100 x 334 x 285			100 x 440 x 300	
Net Weight (kgs)	6.4	6.6	11	11	13
Communication Interface	USB				
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 55°C				
Storage Temperature	-15°C to 60°C				

Product specifications are subject to change without further notice