

Axpert Off-Grid Inverter



Axpert VP3000-24 / Axpert VM3000-24

Axpert VM3000-24 Plus
Axpert VP5000-48 / Axpert VM5000-48

- 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 / 3000W			5000VA / 4000W	
INPUT					
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)				
OUTPUT					
MODEL	Axpert VP3000-24	Axpert VM3000-24	Axpert VM3000-24 Plus	Axpert VP5000-48	Axpert VM5000-48
Rated Power	3000VA / 3000W			5000VA / 4000W	
INPUT					
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)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC \pm 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				
BATTERY					
Battery Voltage	24 VDC			48 VDC	
Floating Charge Voltage	27 VDC			54 VDC	
Overcharge Protection	32 VDC			63 VDC	
SOLAR CHARGER & AC CHARGER					
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
PHYSICAL					
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				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 55°C				
Storage Temperature	-15°C to 60°C				