

Axpert V Off-Grid Inverter



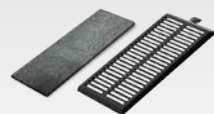
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is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



Anti-Dust Kit (optional)

Anti-Dust Kit (Option)

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.



Axpert V Off-Grid Inverter Selection Guide

MODEL	Axpert VP1000-12	Axpert VP2000-24	Axpert VP3000-24	Axpert VM3000-24	Axpert VM3000-24 Plus	Axpert VP5000-48	Axpert VM5000-48
Rated Power	1000VA/800W	2000VA/1600W		3000VA / 2400W			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 ± 5%						
Surge Power	2000VA	4000VA		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	12 VDC			24 VDC			48 VDC
Floating Charge Voltage	13.5 VDC			27 VDC			54 VDC
Overcharge Protection	16 VDC			32 VDC			63 VDC
SOLAR CHARGER & AC CHARGER							
Solar Charger type	PWM	PWM	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	50 VDC	80 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum PV Array Power	600 W	1200 W	1200 W	1000 W	1500 W	2400 W	3000 W
MPP Range @ Operating Voltage	N/A	N/A	N/A	30 ~ 80 VDC	30 ~ 115 VDC	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50 A	50 A	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	20 A	20 A	25A		60 A		
Maximum Charge Current	50 A	50 A	70 A	60 A	120 A	110 A	120 A
PHYSICAL							
Dimension, D x W x H (mm)	88 x 225 x 315		100 x 334 x 285		100 x 300 x 440		
Net Weight (kgs)	5.0	5.5	6.4	6.6	11	11	13
Communication Interface	USB/RS232						
OPERATING ENVIRONMENT							
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.