

AXPERT V OFF-GRID INVERTER

VP 1000-12

GENERAL FEATURES

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Built-in 50A PWM solar charger with wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimised battery performance
- Cold start function
- Optional anti-dust kit



PRODUCT SPECIFICATIONS Product specifications are subject to change without further notice

MODEL		Axpert VP 1000-12
Rated Power		1000VA / 1000W
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)		230 VAC \pm 5%
Surge Power		2000VA
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
Floating Charge Voltage		13.5 VDC
Overcharge Protection		16 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type		PWM
Maximum PV Array Power Open Circuit Voltage		55 VDC
Maximum PV Array Power		600 W
PV Operating Voltage Range		15 - 18 VDC
Maximum Solar Charge Current		50 A
Maximum AC Charge Current		20 A
Maximum Charge Current		50 A
PHYSICAL		
Dimension: D x W x H (mm)		88 x 225 x 320
Net Weight (kg)		4.4
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