

**Features:**

- Pure sine wave inverter
- Output power factor 1
- Selectable input voltage range for home appliances and personal computers
- Selectable high-power charging current
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function

**SOL-I-AX-1VP**

**Axpert V**
**Off-Grid Inverter**

Inverter Specs	
<b>Rated Power</b>	1 000VA/1 000W
<b>Parallel Capability</b>	None
<b>Input</b>	
<b>Voltage</b>	230V AC
<b>Selectable Voltage Range</b>	170-280V AC (For Personal Computers) 90-280V AC (For Home Appliances)
<b>Frequency Range</b>	50Hz / 60Hz (Auto sensing)
<b>Output</b>	
<b>AC Voltage Regulation (Batt Mode)</b>	230V AC ±5%
<b>Surge Power</b>	2 000VA
<b>Efficiency (Peak)</b>	90-93%
<b>Transfer Time</b>	10ms (Personal computers) ; 20ms (Home appliances)
<b>Waveform</b>	Pure sine wave
<b>Battery</b>	
<b>Battery Voltage</b>	12V DC
<b>Floating Charge Voltage</b>	13.5V DC
<b>Overcharge Protection</b>	16V DC
<b>Solar Charger &amp; AC Charger</b>	
<b>Type of solar charge controller</b>	PWM
<b>Maximum PV Array Power</b>	600W
<b>PWM Range @ Operating Voltage</b>	15-18V DC
<b>Maximum PV Array Open Circuit Voltage</b>	55V DC
<b>Maximum Solar Charge Current</b>	50A
<b>Maximum AC Charge Current</b>	20A
<b>Maximum Charge Current</b>	50A
<b>Physical</b>	
<b>Dimensions D X W X H</b>	88 X 225 X 320
<b>Net Weight (kgs)</b>	4.4kg
<b>Communication Interface</b>	USB/RS232
<b>Environment</b>	
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)
<b>Operating Temperature</b>	-10°C to 50°C
<b>Storage Temperature</b>	-15°C to 60°C

Product specifications are subject to change without further notice.

**CONTACT DETAILS**

08:00 – 17:00 Monday to Friday  
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