



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 |

