PowerVerter Plus Inverter - Industrial-Strength Power for Heavy-Duty Applications

MODEL NUMBER: **PV1000FC**

Description

Harness your vehicle's battery to efficiently power office equipment on the road or power tools at a work site. Continuously supplies up to 1000 watts of 120V AC power to 2 AC outlets from any 12V battery or automotive DC source. Frequency control locks AC output at 60Hz for operating stability of motor loads. Includes a set of high current DC input terminals for simple, permanent installation. Highly reliable large transformer design specializes in powering motors and other inductive loads with high-current startup needs.

Features

- Allows users to run large, motorized AC appliances from any 12V battery or automotive DC system
- Converts 12V DC battery power to 120V AC power
- 1,000 watts continuous output power
- 2,000 watts peak output power to startup heavy motorized/inductive loads
- 2 outlets; DC input terminals for 12V battery connection
- Frequency control for operating stability
- High-efficiency operation conserves batteries to prolong run time
- Diagnostic LEDs indicate load level (high, medium, and low) and battery charge (high, medium, and low)
- DC fusing protects inverter against overload
- 3.5mm port for connecting remote switch (User supplies cable and switch)

Highlights

- 12V DC input; 120V AC output; 2 outlet
- 1000 watts continuous output
- 2000 watts peak surge output
- High efficiency power conversion
- Automatic overload protection

Package Includes

- PV1000FC inverter
- Instruction manual

Specifications

OVERVIEW	
UPC Code	037332042187

OUTPUT	
Frequency Compatibility	60 Hz
Output (Watts)	Continuous - 1000 watts, Overpower (up to 1 hour) - 1500 watts, Double-Boost wattage (up to 10 seconds) - 2000 watts
Output Nominal Voltage	120V nominal
Output Voltage Regulation	Maintains PWM sine wave output voltage of 120 V AC (+/-5%)
Output Frequency Regulation	60 Hz (+/- 0.3 Hz)
Overload Protection	Circuit breaker

INPUT	
Recommended Electrical Service	Requires 12V DC input source capable of delivering 100A for the required duration (when used at full capacity). For automotive applications, professional hardwire installation with 200A battery system fusing is recommended.

Maximum Input Amps / Watts	Full continuous load - 100A at 12V DC, No load - 2.2A at 12V DC
Input Connection Type	Set of 2 DC input terminals
Input Cord Length Details	User supplies cabling. 4 gauge or larger recommended.
Voltage Compatibility (VDC)	12

BATTERY	
DC System Voltage (VDC)	15

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Set of 6 LEDs offer continuous status information on load percentage (6 levels reported) and battery charge level (7 levels reported). See manual for sequences.
Switches	Lighted on/off power switch, plus 2 conductor 3.5 mm port for connecting remote switch - user supplies switch, 3.5mm plug and cable.

PHYSICAL	
Shipping Dimensions (hwd / in.)	11.62 x 9.50 x 9.50
Shipping Dimensions (hwd / cm)	29.53 x 24.13 x 24.13
Shipping Weight (lbs.)	22.00
Shipping Weight (kg)	9.98
Unit Dimensions (hwd / in.)	7 x 8.75 x 7.75
Unit Dimensions (hwd / cm)	17.8 x 22.23 x 19.7
Unit Weight (lbs.)	20.4
Unit Weight (kg)	9.25
Cooling Method	Convection
Material of Construction	Polycarbonate
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)

ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing

WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty