



## Model #: PV1800HF

### PowerVerter Ultra-Compact Inverter - Portable Power for All Applications

#### Highlights

- 12V DC input; 120V AC output; 4 outlets
- 1800 watts continuous output
- 3600 watts peak output (instantaneous)
- Powers an entire mobile office or kitchen



#### 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 1800 watts of 120V AC power to 4 AC outlets from any 12V battery or automotive DC source. Includes a set of nut-and-bolt style DC terminals for simple installation. Super-compact, lightweight metal case design is among the smallest, most rugged inverters available at this power level.

#### Applications

Ideal for complete desktop computer systems, laptops, portable electronics, refrigerators, coffeepots, microwave ovens, battery chargers for cell phones, pagers, notepads and games, large power tools, TV/VCR/stereo systems, camcorders, lighting and other power AC applications under 1800 watts.

#### Package Includes

- PV1800HF Inverter
- Warranty information
- Instruction manual

#### Features

- Allows users to run AC appliances from a properly sized 12V battery or automotive DC system
- Converts 12V DC battery power to 120V AC power
- 1800 watts continuous output power; 3600 watts peak output power (instantaneous)
- 4 outlets
- Ultra-compact, lightweight design with all-metal housing
- Diagnostic LEDs indicates low battery voltage level and load level
- Low battery alarm with auto-shutoff prevents deep battery discharge
- High-efficiency operation conserves batteries to prolong run time
- (6) 40-amp fuses protect inverter from overload

#### Specifications

SYSTEM OVERVIEW	
Voltage compatibility	Compatible with 12VDC automotive or battery power sources

Frequency compatibility	60 Hz
<b>OUTPUT</b>	
Output watts	1800W (continuous)/3600W (peak)
Output nominal voltage	120V
Output voltage regulation	Maintains PWM sine wave output voltage of 115 VAC (+/- 8 VAC)
Output frequency regulation	60 Hz (+/- 3 Hz)
Outlet quantity / type	4 NEMA 5-15R
Overload protection	Automatic overload protection shuts down inverter system in the event of overloads. Inverter and electrical system are further protected by set of 6 40A automotive input fuses.
Continuous output capacity (watts)	1800
Peak output capacity (watts)	3600
<b>INPUT</b>	
Input connection type	Set of 2 DC bolt-down wiring terminals
Input cord length	User supplies cabling; minimum gauges for full load operation: 0 (16 ft max), 00 or 2/0 (20 ft max)
Recommended electrical service	Requires 12VDC input source capable of delivering 200A for the required duration (when used at full capacity). For automotive applications, professional hardwire installation with 250A battery system fusing is recommended.
Maximum input amps / watts	Full continuous load - 200A at 12VDC, No load - 2.7A at 12VDC, Shutdown
<b>BATTERY</b>	
DC system voltage	12V
<b>LEDS ALARMS &amp; SWITCHES</b>	
Alarms	Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less.
<b>PHYSICAL</b>	
Shipping weight (lbs)	8
Shipping weight (kg)	3.6
Shipping Dimensions (HWD/in)	5.25 x 7.75 x 17.25
Shipping Dimensions (HWD/cm)	13.3 x 19.7 x 43.8
Unit weight (lbs)	7.25
Unit weight (kg)	3.3
Unit Dimensions (HWD/in)	4 x 6 x 15
Unit Dimensions (HWD/cm)	10.2 x 15.2 x 38.1
Material of construction	Aluminum/sheet metal
Form factors supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
Cooling method	Fan
<b>ENVIRONMENTAL</b>	
Relative Humidity	0-95% non-condensing
<b>WARRANTY</b>	

<b>Product warranty</b>	1 year (Outside the U.S. and Canada, call for warranty information)
<b>SPECIAL FEATURES</b>	
<b>TVSS grounding</b>	Grounding lug grounds the inverter to vehicle or earth ground; user supplies cabling
<b>Appearance</b>	Attractive, rugged, metallic gray color inverter system

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