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## Model #: PV1800HF

### PowerVerter® 1800W Compact Inverter with 4 Outlets

#### Highlights

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



#### Description

Utilize 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. 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, gaming systems, power tools, TV/DVD/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
- Compact, lightweight design with grooved surface for efficient cooling, 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
- Cooling fan regulates internal temperature and prolongs unit service life

#### Specifications

<b>OVERVIEW</b>	
<b>Intended Application</b>	Utility/Long-Haul Truck; RV/Marine
<b>OUTPUT</b>	

<b>Frequency compatibility</b>	60 Hz
<b>Output watts</b>	1800
<b>Continuous output capacity (watts)</b>	1800
<b>Peak output capacity (watts)</b>	3600
<b>Output nominal voltage</b>	120V
<b>Output voltage regulation</b>	Maintains PWM sine wave output voltage of 115 VAC (+/- 8 VAC)
<b>Output frequency regulation</b>	60 Hz (+/- 3 Hz)
<b>Overload protection</b>	Automatic overload protection shuts down inverter system in the event of overloads.
<b>Outlet quantity / type</b>	4 NEMA 5-15R outlets
<b>INPUT</b>	
<b>Recommended Electrical Service</b>	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.
<b>Maximum input amps / watts</b>	Full continuous load - 200A at 12VDC, No load - 2.7A at 12VDC, Shutdown
<b>Input connection type</b>	Set of 2 DC bolt-down wiring terminals. User supplies cabling; minimum gauges for full load operation: 0 (16 ft max), 00 or 2/0 (20 ft max)
<b>Voltage compatibility (VDC)</b>	12
<b>BATTERY</b>	
<b>DC system voltage (VDC)</b>	12
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Alarms</b>	Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less.
<b>PHYSICAL</b>	
<b>Shipping Dimensions (HWD/in)</b>	5.25 x 7.75 x 17.25
<b>Shipping Dimensions (HWD/cm)</b>	13.34 x 19.69 x 43.82
<b>Shipping weight (lbs)</b>	8
<b>Shipping weight (kg)</b>	3.6
<b>Unit Dimensions (HWD/in)</b>	4 x 6 x 15
<b>Unit Dimensions (HWD/cm)</b>	10.16 x 15.24 x 38.1
<b>Unit weight (lbs)</b>	7.25
<b>Unit weight (kg)</b>	3.3
<b>Cooling method</b>	Fan

<b>Material of construction</b>	Aluminum/sheet metal
<b>Style</b>	Compact
<b>Form factors supported</b>	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
<b>ENVIRONMENTAL</b>	
<b>Relative Humidity</b>	0-95% non-condensing
<b>SPECIAL FEATURES</b>	
<b>Appearance</b>	Attractive, rugged, metallic gray color inverter system
<b>Remote control capability</b>	Yes
<b>TVSS grounding</b>	Grounding lug grounds the inverter to vehicle or earth ground; user supplies cabling
<b>WARRANTY</b>	
<b>Product Warranty Period (Worldwide)</b>	1-year limited warranty

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=183](http://www.tripplite.com/en/products/model.cfm?txtModelID=183).

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