

PowerVerter® 1800W Compact Inverter with 4 Outlets

MODEL NUMBER: **PV1800HF**



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.

NOTE: To protect against high current draw that may occur during inverter failure, a fuse link rated at 250a should be positioned no more than 18" from the PV1800HF's battery in the positive line.

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

Highlights

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

Applications

- Ideal for powering microwave ovens, dishwashers, coffee makers, refrigerators, electric grills, clothes irons, televisions, video game systems, stereos, small window air conditioners, sump pumps, flood lights and small- to medium-sized power tools like drills, disc sanders and chain saws

NOTE: Your load should not exceed your inverter's maximum continuous output power of 1800 watts. To determine your total load, add the wattage ratings of all equipment you will connect to your inverter. Wattage ratings are usually listed in equipment manuals or on nameplates. If your equipment is rated in amps, multiply that number times AC utility voltage to estimate watts. (Example: a drill requires 2.5 amps. 2.5 amps × 120 volts = 300 watts.)

Package Includes

- PV1800HF Inverter
- Warranty information
- Instruction manual

OVERVIEW

Intended Application

Utility/Long-Haul Truck; RV/Marine



OUTPUT	
Frequency compatibility	60 Hz
Output watts	1800
Continuous output capacity (watts)	1800
Peak output capacity (watts)	3600
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)
Overload protection	Automatic overload protection shuts down inverter system in the event of overloads.
Outlet quantity / type	4 NEMA 5-15R outlets
INPUT	
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
Input connection type	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)
Voltage compatibility (VDC)	12
BATTERY	
DC system voltage (VDC)	12
LEDS ALARMS & SWITCHES	
Alarms	Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less.
PHYSICAL	
Shipping Dimensions (HWD/in)	5.25 x 7.75 x 17.25
Shipping Dimensions (HWD/cm)	13.34 x 19.69 x 43.82
Shipping weight (lbs)	8
Shipping weight (kg)	3.6
Unit Dimensions (HWD/in)	4 x 6 x 15
Unit Dimensions (HWD/cm)	10.16 x 15.24 x 38.1
Unit weight (lbs)	7.25
Unit weight (kg)	3.3
Cooling method	Fan
Material of construction	Aluminum/sheet metal



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Style	Compact
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
SPECIAL FEATURES	
Appearance	Attractive, rugged, metallic gray color inverter system
Remote control capability	Yes
TVSS grounding	Grounding lug grounds the inverter to vehicle or earth ground; user supplies cabling
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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