

PowerVerter Ultra-Compact Inverter

Portable Power for All Applications



Model #: PV1800HF

- ▶ 12V DC input; 120V AC output; 3 outlets
- ▶ 1800 watts continuous output
- ▶ 3600 watts peak output
- ▶ 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 3 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.

KEY BUYING POINTS

- 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
- 3 outlets
- Ultra compact, lightweight design with all-metal housing
- Diagnostic LED indicates low battery-voltage
- Low battery alarm with auto-shutoff prevents deep battery discharge
- High-efficiency operation conserves batteries to prolong run time
- (6) 40-amp fuses protects inverter from overload
- Lighted power switch

TYPICAL 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

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Compact 12 volt DC to 120 volt AC power inverter. 1800 watts continuous / 3000 watts peak. Requires hardwire DC installation, 3 AC outlets
Voltage compatibility:	Compatible with 12VDC automotive or battery power sources
Frequency compatibility:	60 Hz

OUTPUT	
Output watt capacity (watts):	1800 watts continuous, supports peak output up to 3600 watts for up to 500 milliseconds
Output nominal voltage:	120V nominal
Output voltage regulation:	Maintains PWM sine wave output voltage of 115 VAC (+/- 8 VAC)
Output frequency regulation:	60 Hz (+/- 3 Hz)
Outlet quantity / type:	Includes 3 NEMA 5-15R output receptacles
Overload protection:	Automatic overload protection shuts down inverter system in the event of overloads. Inverter and electrical system are further protected via set of 6 40A automotive input fuses.
INPUT	
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
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.
BATTERY	
DC system voltage:	DC input operating range 10-15VDC. Alarm sounds as voltage drops to 10.5V. Auto-shutdown occurs at 10V.
LEDS ALARMS & SWITCHES	
Alarms:	Dual function alarm indicates overload conditions or low DC input voltage of 10.5V or less.
PHYSICAL	
Shipping weight (lbs):	9.2
Shipping weight (kg):	4.17
Unit weight (lbs):	7.4
Unit weight (kg):	3.36
Unit Dimensions (HWD/in):	4 x 10 x 10.5
Unit Dimensions (HWD/cm):	10.2 x 25.4 x 26.7
Shipping Dimensions (HWD/in):	4.5 x 12 x 12
Shipping Dimensions (HWD/cm):	11.4 x 30.5 x 30.5
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
ENVIRONMENTAL	
Operating Temperature:	32-104 Fahrenheit / 0-40 Celcius
Relative Humidity:	0-95% non-condensing
WARRANTY	
Product warranty:	1 year (Outside the U.S. and Canada, call for warranty information)
SPECIAL FEATURES	
TVSS grounding:	Grounding lug grounds the inverter to vehicle or earth ground - user supplies cabling
Appearance:	Attractive, rugged, metallic gray color inverter system

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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