

PowerVerter Plus Inverter

Industrial-Strength Power for Heavy-Duty Applications



Model #: PV2000FC

- ▶ 12V DC input; 120V AC output; 2 outlets
- ▶ 2000W continuous output
- ▶ 4000W peak surge output
- ▶ High-efficiency power conversion
- ▶ Automatic overload protection

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 2000W 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. Built-in RJ45 port allows connection of APS/PowerVerter Remote Switch (Tripp Lite # [APSRM4](#))

OPTIONAL FEATURES: Optional load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on. Front panel load sense potentiometer can be set to shut off or turn on inverter power in response to loads of any level. Ignition Switch Control Jack connects inverter to vehicle ignition system to automatically control inverter. Inverter ON/OFF Relay Jack connects to a user-supplied on/off indicator for remote visual status of the operation of the inverter.

KEY BUYING POINTS

- 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
- 2000W continuous output power
- 4000W peak output power to startup heavy motorized/inductive loads
- 2 x NEMA 5-15/20R outlets; DC input terminals for 12V battery connection
- Frequency control for operating stability
- High-efficiency operation conserves batteries to prolong runtime
- Diagnostic LEDs indicate load level (high, medium, and low) and battery charge (high, medium, and low)
- DC fusing protects inverter against overload
- High-impact polycarbonate housing
- RJ45 port allows connection of APS/PowerVerter Remote Switch (Tripp Lite # [APSRM4](#))
- Grounding lug properly connects the inverter system to earth ground or vehicle grounding system
- Load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on.

TYPICAL APPLICATIONS

- Ideal for industrial power tools, window air conditioners, vacuum cleaners, large electric motors, pumps, desktop computers, laptops, portable electronics, battery chargers for cell phones, pagers, notepads and games, large-screen TV/VCR/stereo systems, camcorders, lighting and other AC applications under 2000W continuous/ 4000W peak.

OPTIONS & ACCESSORIES

- APS/PowerVerter Remote Switch to control the unit from up to 50-ft. away; diagnostic LEDs (Tripp Lite # [APSRM4](#))

PACKAGE INCLUDES

- PV2000FC Inverter
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	Highly reliable large transformer 12V DC to 120V AC power inverter with Overpower and Double Boost support for inductive loads. 2000W continuous/4000W peak. Requires hardwire DC input installation, 2 AC outlets.
Voltage compatibility:	Compatible with 12V DC automotive or battery power sources
Frequency compatibility:	60 Hz

OUTPUT

Output watt capacity (watts):	Continuous—2000W; Overpower (up to 1 hour)—3000W, Double-Boost wattage (up to 10 seconds)—4000W
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)
Outlet quantity / type:	2 x NEMA 5-15/20R
Overload protection:	Circuit breaker

INPUT

Maximum input amps / watts:	Full continuous load—200A at 12V DC, No load—2.2A at 12V DC
Input connection type:	Set of 2 DC bolt-down wiring terminals
Input cord length:	User supplies cabling; 2/0 gauge or larger recommended
Recommended electrical service:	Requires 12V DC input source capable of delivering 200A for the required duration (when used at full capacity). For automotive applications, professional hardwire installation with 400A battery system fusing is recommended

BATTERY

DC system voltage:	DC input operating range 10-15V DC.
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LEDS ALARMS & SWITCHES

Front panel LEDs:	Set of 6 LEDs offers continuous status information on load percentage (6 levels reported) and battery charge level (7 levels reported). See manual for sequences
Switches:	3-position on/off/remote switch enables simple on/off power control plus "remote" setting that enables distant on/off control of the inverter system when used in conjunction with optional APSRM4 accessory

PHYSICAL

Shipping weight (lbs):	43
Shipping weight (kg):	19.5
Unit weight (lbs):	39.0
Unit weight (kg):	17.7
Unit Dimensions (HWD/in):	7.25 x 8.5 x 16.25
Unit Dimensions (HWD/cm):	18.4 x 21.6 x 41.3
Shipping Dimensions (HWD/in):	13.5 x 15 x 21.5
Shipping Dimensions (HWD/cm):	34.3 x 38.1 x 54.6
Material of construction:	Polycarbonate

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

CERTIFICATIONS

Certifications: Tested to UL458 (USA, Canada), RoHS Compliant

WARRANTY

Product warranty: 1 year (Outside the U.S. and Canada, call for warranty information)

SPECIAL FEATURES

Appearance: Attractive all-black color scheme

Load Sensing: Optional load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on. Front panel load sense potentiometer can be set to shutoff or turn on inverter power in response to loads of any level

*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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