



Model #: PV2000FC

PowerVerter Plus Inverter - Industrial-Strength Power for Heavy-Duty Applications

Highlights



- 12V DC input; 120V AC output; 2 outlets
- 2000W continuous output
- Peak surge output: OverPower (up to 1 hour) 3000W, Double-Boost (up to 10 seconds) 4000W
- 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.

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.

Package Includes

PV2000FC Inverter
Instruction manual

Features

- 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
- Peak surge output: OverPower (up to 1 hour) 3000W, Double-Boost (up to 10 seconds) 4000W
- 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.

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	Compatible with 12V DC automotive or battery power sources
Frequency compatibility	60 Hz
OUTPUT	
Output watts	2000W (continuous)/4000W (peak)
Output nominal voltage	120V
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 NEMA 5-15/20R
Overload protection	Circuit breaker
Continuous output capacity (watts)	2000
Peak output capacity (watts)	4000
INPUT	
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
Maximum input amps / watts	Full continuous load 200A at 12V DC, No load 2.2A at 12V DC
BATTERY	
DC system voltage	12V
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
Shipping Dimensions (HWD/in)	13.5 x 15 x 21.5
Shipping Dimensions (HWD/cm)	34.3 x 38.1 x 54.6
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
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	
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