2000W PowerVerter Plus Industrial-Strength Inverter with 2 Outlets

MODEL NUMBER: **PV2000FC**





Need heavy-duty power on the go? No problem. The PV2000FC Industrial-Strength Inverter offers 2 outlets and up to 2000W of continuous output from a vehicle's battery or a 12V external battery bank, making it perfect for a work truck with industrial equipment (e.g. power tools, electric motors). Its highly efficient operation can handle peak load requirements for equipment with high-current startup needs—up to 200% of its rated capacity.

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 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 (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.
NOTE: To protect against high current draw that may occur during inverter failure, a fuse link rated at 400a should be positioned no more than 18" from the PV2000FC's battery in the positive line.

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 (APSRM4)

Highlights

- Designed for heavy duty and motor loads
- 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

Package Includes

- PV2000FC Inverter
- Instruction manual

- 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

OVERVIEW	
UPC Code	037332042194
INPUT	
Maximum Input Amps / Watts	Full continuous load - 200A at 12V DC, No load - 2.2A at 12V DC
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
Input Connection Type	Set of 2 DC bolt-down wiring terminals
Input Cord Length Details	User supplies cabling; 2/0 gauge or larger recommended
Voltage Compatibility (VDC)	12
OUTPUT	
Frequency Compatibility	60 Hz
Pure Sine Wave Output	No
Output (Watts)	2000
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(2) 5-15R
Continuous Output Capacity (Watts)	2000
Peak Output Capacity (Watts)	4000
Output Voltage Regulation	Maintains PWM sine wave output voltage of 120 V AC (+/-5%)
Output Frequency Regulation	60 Hz (+/- 0.3 Hz)
Overload Protection	Circuit breaker
BATTERY	
DC System Voltage (VDC)	12
USER INTERFACE, ALERTS & CONTROLS	
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	

Material of Construction	Polycarbonate
Cooling Method	Fan
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
Shipping Dimensions (hwd / in.)	12.90 x 14.70 x 19.00
Shipping Dimensions (hwd / cm)	32.77 x 37.34 x 48.26
Shipping Weight (lbs.)	44.00
Shipping Weight (kg)	19.96
Unit Dimensions (hwd / in.)	7.250 x 8.500 x 16.250
Unit Dimensions (hwd / cm)	18.42 x 21.59 x 41.28
Unit Weight (lbs.)	39.0
Unit Weight (kg)	17.69
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
FEATURES & SPECIFICATIONS	
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
STANDARDS & COMPLIANCE	
Product Certifications	UL 458
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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