2400W PowerVerter Plus Industrial-Strength Inverter with 2 Outlets

MODEL NUMBER: **PV2400FC**



Highlights

- Designed for heavy duty and motor loads
- 24V DC input; 120V AC output; 2 outlets
- 2400W continuous output
- Peak surge output: OverPower (up to 1 hour)—3600W; Double-Boost (up to 10 seconds)—4800W
- High-efficiency power conversion
- Automatic overload protection

Package Includes

- PV2400FC Inverter
- Instruction manual

Description

Continuously supplies up to 2400W of 120V AC power to 2 AC outlets from any 24V 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.
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 PV2400FC's battery in the positive line.

Features

- Converts 24V DC battery power to 120V AC power
- 2400W continuous output power
- Peak surge output: OverPower (up to 1 hour), 3600 watts; Double-Boost (up to 10 seconds), 4800W
- Set of 2 bolt-down DC wiring terminals for 24V battery connection; 2 x NEMA 5-15/20R outlets
- Frequency control for operating stability
- High-efficiency operation conserves batteries to prolong run time
- 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)

Specifications

OVERVIEW	
UPC Code	037332042200
INPUT	
Maximum Input Amps / Watts	Full continuous load - 120A at 24V DC; No load - 2.2A at 24V DC

Recommended Electrical Service	Requires 24V DC input source capable of delivering 120A for the required duration (when used at full capacity). For automotive applications, professional hardwire installation with 250A battery system fusing is recommended
Input Connection Type	Set of 2 bolt-down DC wiring terminals
Input Cord Length Details	User supplies cabling; 2/0 gauge or larger recommended
Voltage Compatibility (VDC)	24
OUTPUT	
Frequency Compatibility	60 Hz
Pure Sine Wave Output	No
Output (Watts)	2400
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(2) 5-15R
Continuous Output Capacity (Watts)	2400
Peak Output Capacity (Watts)	4800
Output Voltage Regulation	Maintains PWM sine wave output voltage of 120 VAC (+/-5%)
Output Frequency Regulation	60 Hz (+/- 0.3 Hz)
Overload Protection	Circuit breaker
BATTERY	
DC System Voltage (VDC)	24
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Set of 6 LEDs provides 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 14.40 x 21.30
Shipping Dimensions (hwd / cm)	32.77 x 36.58 x 54.10
Shipping Weight (lbs.)	38.60
Shipping Weight (kg)	17.51
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
Unit Weight (kg)	17.69
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
STANDARDS & COMPLIANCE	
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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