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Model #: PV2400FC

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

Highlights



- 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

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.

Applications

Industrial power tools, pumps, appliances, mobile office equipment, audio/video devices, and more.

Package Includes

- PV2400FC Inverter
- Instruction manual

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

SYSTEM OVERVIEW	
Voltage compatibility	Compatible with 24V DC automotive or battery power sources
Frequency compatibility	60 Hz

OUTPUT	
Output watts	2400W (continuous)/4800W (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 x NEMA 5-15/20R
Overload protection	Circuit breaker
Continuous output capacity (watts)	2400
Peak output capacity (watts)	4800
INPUT	
Input connection type	Set of 2 bolt-down DC wiring terminals
Input cord length	User supplies cabling 2/0 gauge or larger recommended
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
Maximum input amps / watts	Full continuous load 120A at 24V DC; No load 2.2A at 24V DC
BATTERY	
DC system voltage	24V
LEDS ALARMS & SWITCHES	
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	
Shipping weight (lbs)	43.8
Shipping weight (kg)	19.9
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)	40.2
Unit weight (kg)	18.2
Unit Dimensions (HWD/in)	7.3 x 8.5 x 16.5
Unit Dimensions (HWD/cm)	18.5 x 21.6 x 41.9
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
SPECIAL FEATURES	

Appearance	Attractive all-black color scheme
WARRANTY	
Product warranty	1 year (Outside the U.S. and Canada, call for warranty information)

Related Items

Inverter Accessories		
APSRM4	Remote Control Module - for Tripp Lite Inverters and Inverter/Chargers	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/EN/products/model.cfm?txtModelID=182.