

PowerVerter Plus Inverter

Industrial-Strength Power for Heavy-Duty Applications



Model #: PV2400FC

- ▶ 24V DC input; 120V AC output; 2 outlets
- ▶ 2400 watts continuous output
- ▶ 4800 watts peak surge output
- ▶ High efficiency power conversion
- ▶ Automatic overload protection

DESCRIPTION

Continuously supplies up to 2400 watts 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.

KEY BUYING POINTS

- Converts 24V DC battery power to 120V AC power
- 2,400 watts continuous output power
- 4,800 watts peak output power to startup heavy motorized / inductive loads
- 2 outlets (NEMA 5-20); DC input terminals for 24V battery connection
- 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 (manuf# [APSRM4](#))

TYPICAL APPLICATIONS

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

OPTIONS & ACCESSORIES

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

PACKAGE INCLUDES

- PV2400FC Inverter
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:

Highly reliable large transformer 24 volt DC to 120 volt AC power inverter with Overpower and Double Boost support for inductive loads. 2400 watts continuous / 4800 watts peak.

Requires hardwire installation, 2 AC outlets.

Voltage compatibility: Compatible with 24V DC automotive or battery power sources

Frequency compatibility: 60 Hz

OUTPUT

Output watt capacity (watts): Continuous - 2400 watts, Overpower (up to 1 hour) - 3600 watts, Double-Boost wattage (up to 10 seconds) - 4800 watts

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: Includes 2 AC outlets (NEMA 5-20R)

Overload protection: Circuit breaker

INPUT

Maximum input amps / watts: Full continuous load - 120A at 24V DC, No load - 2.2A at 24V 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 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.

BATTERY

DC system voltage: DC input operating range 20-30V DC.

LEDS ALARMS & SWITCHES

Front panel LEDs: Set of 6 LEDs offer 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

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

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

WARRANTY

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

SPECIAL FEATURES

Appearance:

Black color

*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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