



## 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  |

| <b>OUTPUT</b>                      |  |
|------------------------------------|--|
| 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   |
| <b>INPUT</b>                       |  |
| 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  |
| <b>BATTERY</b>                     |  |
| DC system voltage                  | 24V  |
| <b>LEDS ALARMS &amp; SWITCHES</b>  |  |
| 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 <a href="#">APSRM4</a> accessory   |
| <b>PHYSICAL</b>                    |  |
| 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  |
| <b>ENVIRONMENTAL</b>               |  |
| Relative Humidity                  | 0-95% non-condensing   |
| <b>WARRANTY</b>                    |  |

|                         |   |
|-------------------------|---|
| <b>Product warranty</b> | 1 year (Outside the U.S. and Canada, call for warranty information) |
| <b>SPECIAL FEATURES</b> |   |
| <b>Appearance</b>       | Attractive all-black color scheme                                   |