



Model #: PV1250FC

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

### Highlights



12V DC input; 120V AC output; 2 outlet

1250 watts continuous output

Peak surge output: OverPower (up to 1 hour) - 1875 watts, Double-Boost (up to 10 seconds) - 2500 watts

High efficiency power conversion

Automatic overload protection

### Description

Harness your vehicle's battery to efficiently power office equipment on the road or power tools at a work site. Continuously supplies up to 1250 watts 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.

PowerVerter Plus Inverters accommodate "peak surge" demands by delivering more output power than their continuous rating. Compare the "Continuous" and "Peak Surge" wattage ratings, and you'll find PowerVerter Plus Inverters supply up to double their output to easily handle equipment start up and motor cycling requirements. A DoubleBoost feature provides up to 200% of the continuous output for up to 10 seconds, providing the extra power needed to cold start heavy-duty tools and equipment. An OverPower feature delivers up to 150% of the continuous output for up to 1 hour.

### Applications

Ideal for power tools, pumps, fans, desktop computer systems, laptops, portable electronics, battery chargers for cell phones, pagers, notepads and games, full size TV-VCR & stereo systems, camcorders, lighting and other AC applications under 1250 watts continuous/2500 watts peak.

### Package Includes

PV1250FC inverter  
Instruction manual

### 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

1,250 watts continuous output power

Peak output power: OverPower (up to 1 hour) - 1875 watts, Double-Boost (up to 10 seconds) - 2500 watts

2 outlets; DC input terminals for 12V 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

RJ45 port allows connection of APS/PowerVerter Remote Switch (manuf# [APSRM4](#))

## Specifications

<b>SYSTEM OVERVIEW</b>	
<b>Voltage compatibility</b>	Compatible with 12V DC automotive or battery power sources
<b>Frequency compatibility</b>	60 Hz
<b>OUTPUT</b>	
<b>Output watts</b>	1250W (continuous)/2500W (peak)
<b>Output nominal voltage</b>	120V
<b>Output voltage regulation</b>	Maintains PWM sine wave output voltage of 120 V AC (+/-5%)
<b>Output frequency regulation</b>	60 Hz (+/- 0.3 Hz)
<b>Outlet quantity / type</b>	2 NEMA 5-15R
<b>Overload protection</b>	Circuit breaker
<b>Continuous output capacity (watts)</b>	1250
<b>Peak output capacity (watts)</b>	2500
<b>INPUT</b>	
<b>Input connection type</b>	Set of 2 DC input terminals
<b>Input cord length</b>	User supplies cabling. 4 gauge or larger recommended.
<b>Recommended electrical service</b>	Requires 12V DC input source capable of delivering 127A for the required duration (when used at full capacity). For automotive applications, professional hardwire installation with 200A battery system fusing is recommended.
<b>Maximum input amps / watts</b>	Full continuous load - 127A at 12V DC, No load - 2.2A at 12V DC
<b>BATTERY</b>	
<b>DC system voltage</b>	12V
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs</b>	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.
<b>Switches</b>	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="#">PHYSICAL</a>
<b>Shipping weight (lbs)</b>	24.8
<b>Shipping weight (kg)</b>	11.2
<b>Shipping Dimensions (HWD/in)</b>	12.5 x 11 x 10.75
<b>Shipping Dimensions (HWD/cm)</b>	31.8 x 27.9 x 27.3
<b>Unit weight (lbs)</b>	23.2
<b>Unit weight (kg)</b>	10.5
<b>Unit Dimensions (HWD/in)</b>	7 x 8.75 x 9
<b>Unit Dimensions (HWD/cm)</b>	17.8 x 22.2 x 22.9
<b>Material of construction</b>	Polycarbonate

<b>Form factors supported</b>	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
<b>Cooling method</b>	Fan
<b>ENVIRONMENTAL</b>	
<b>Relative Humidity</b>	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>	Black color