

PowerVerter Plus Inverter

Industrial-Strength Power for Heavy-Duty Applications



Model #: PV500FC

- ▶ 12V DC input; 120V AC output; 2 outlets
- ▶ 500 watts continuous output
- ▶ 1000 watts peak surge output
- ▶ 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 500 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.

KEY BUYING POINTS

- 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
- 500 watts continuous output power
- 1,000 watts peak output power to startup heavy motorized / inductive loads
- 2 outlets; DC input terminals for 12V battery connection (User supplies cable)
- Frequency control for operating stability
- Diagnostic LEDs indicate load level (high, medium, and low) and battery charge (high, medium, and low)
- DC fusing protects inverter against overload
- 3.5mm port for connecting remote switch (User supplies cable and switch)

TYPICAL APPLICATIONS

- Ideal for small power tools, pumps, fans, blenders & food-processors, desktop computers, laptops, portable electronics, battery chargers for cell phones, pagers, notepads and games, TV-VCR-stereo systems, camcorders, lighting and other AC applications under 500 watts continuous / 1000 watts peak.

PACKAGE INCLUDES

- PV500FC inverter
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Highly reliable large transformer 12 volt DC to 120 volt AC power inverter with Overpower and Double Boost support for inductive loads. 500 watts continuous / 1000 watts peak. Requires hardwire installation, 2 AC outlets.
Voltage compatibility:	Compatible with 12VDC automotive or battery power sources

Frequency compatibility:	60 Hz
OUTPUT	
Output watt capacity (watts):	Continuous - 500 watts, Overpower (up to 1 hour) - 750 watts, Double-Boost wattage (up to 10 seconds) - 1000 watts
Output nominal voltage:	120V nominal
Output voltage regulation:	Maintains PWM sine wave output voltage of 120 VAC (+/-5%)
Output frequency regulation:	60 Hz (+/- 0.3 Hz)
Outlet quantity / type:	Includes 2 AC outlets (NEMA 5-15R)
Overload protection:	Circuit breaker
INPUT	
Maximum input amps / watts:	Full continuous load - 50A at 12VDC, No load - 2.2A at 12VDC
Input connection type:	Set of 2 DC input terminals
Input cord length:	User supplies cabling. 4 gauge or larger recommended.
Recommended electrical service:	Requires 12VDC input source capable of delivering 50A for the required duration (when used at full continuous capacity). For automotive applications, professional hardwire installation with 100A battery system fusing is recommended.
BATTERY	
DC system voltage:	DC input operating range 10-15VDC.
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:	Lighted on/off power switch, plus 2 conductor 3.5 mm port for connecting remote switch - user supplies switch, 3.5mm plug and cable.
PHYSICAL	
Shipping weight (lbs):	17
Shipping weight (kg):	7.71
Unit weight (lbs):	15
Unit weight (kg):	6.8
Unit Dimensions (HWD/in):	7 x 7 x 10
Unit Dimensions (HWD/cm):	17.8 x 17.8 x 25.4
Shipping Dimensions (HWD/in):	11.63 x 9.5 x 9.5
Shipping Dimensions (HWD/cm):	29.5 x 24.13 x 24.13
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:	Convection
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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