

## PowerVerter® 700W Ultra-Compact Inverter with 3 Outlets

MODEL NUMBER: **PV700HF**



### Description

Utilize your vehicle's battery to efficiently power appliances, small electronics and office equipment on the road. Continuously supplies up to 700W of 120V AC power to 3 AC outlets from any 12V battery. Featuring an ultra-compact, lightweight design with metal housing, the PV700HF is the most rugged inverter available.

**NOTE:** To protect against high current draw that may occur during inverter failure, a fuse link rated at 125a should be positioned no more than 18" from the PV700HF's battery in the positive line.

### Features

- Provides 120V AC power for a variety of mobile applications
- 700W continuous output power; 1400W peak output power (instantaneous)
- 3 AC outlets
- Ultra-compact extruded aluminum housing stands up to the toughest environments
- Cooling fan lengthens inverter service life & maintains cool operation
- Integrated mounting feet assure safe fixed installation
- Low battery alarm/shutdown detects low battery voltage and shuts down inverter
- Overload alarm/shutdown detects wattage overload on inverter outlets and shuts down inverter as a protective measure
- DC input terminals provide a solid connection to battery with user-supplied cables
- Lighted on/off switch shows inverter operations in cramped or dark environments
- Grooved surface for more efficient cooling

## Specifications

### Highlights

- 700W continuous output; 1400W peak output (instantaneous)
- Converts 12V DC (battery) power into 110-120V AC (household) power; 3 AC outlets
- Installs in minutes (integrated mounting feet included)
- Provides a quiet alternative to generator noise and fumes
- Includes "battery saver" low voltage alarm/shutdown

### Applications

- Ideal for powering laptops, televisions, video game systems, stereos, fans, battery chargers and other small, portable electronics

**NOTE:** Your load should not exceed your inverter's maximum continuous output power of 700 watts. To determine your total load, add the wattage ratings of all equipment you will connect to your inverter. Wattage ratings are usually listed in equipment manuals or on nameplates. If your equipment is rated in amps, multiply that number times AC utility voltage to estimate watts. (Example: a drill requires 2.5 amps.  $2.5 \text{ amps} \times 120 \text{ volts} = 300 \text{ watts}$ .)

### Package Includes

- PV700HF Ultra-Compact DC-to-AC Inverter
- Instruction manual with warranty information



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|                                    |  |
|------------------------------------|--|
| Frequency compatibility            | 60 Hz  |
| Output watts                       | 700  |
| Continuous output capacity (watts) | 700  |
| Peak output capacity (watts)       | 1400   |
| Output nominal voltage             | 120V   |
| Output voltage regulation          | Maintains PWM sine wave output voltage of 115 V AC (+/- 8 V AC)  |
| Output frequency regulation        | 60 Hz (+/- 3 Hz)   |
| Outlet quantity / type             | 3 NEMA 5-15R   |
| <b>INPUT</b>                       |  |
| Recommended Electrical Service     | Requires 12V DC input source capable of delivering 80A for the required duration (when used at full capacity). For automotive applications, hardwire installation with 125A battery system fusing is recommended |
| Maximum input amps / watts         | Full continuous load - 80A at 12V DC, No load - 0.95A at 12V DC, Shutdown - 150 micro amps   |
| Input connection type              | Set of 2 DC bolt-down wiring terminals   |
| Input cord length details          | User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual)  |
| Voltage compatibility (VDC)        | 12   |
| <b>BATTERY</b>                     |  |
| DC system voltage (VDC)            | 12   |
| <b>LEDS ALARMS &amp; SWITCHES</b>  |  |
| Alarms                             | Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less   |
| Switches                           | Lighted on/off power switch  |
| <b>PHYSICAL</b>                    |  |
| Shipping Dimensions (HWD/in)       | 3.75 x 6.25 x 10.3   |
| Shipping Dimensions (HWD/cm)       | 9.53 x 15.88 x 26.16   |
| Shipping weight (lbs)              | 3.5  |
| Shipping weight (kg)               | 1.6  |
| Unit Dimensions (HWD/in)           | 2.75 x 8.17 x 5  |
| Unit Dimensions (HWD/cm)           | 7 x 20.75 x 12.6   |
| Unit weight (lbs)                  | 2.8  |
| Unit weight (kg)                   | 1.26   |
| Cooling method                     | Fan  |
| Material of construction           | Aluminum/sheet metal   |
| Style                              | Compact  |



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| ENVIRONMENTAL                       |   |
|-------------------------------------|---|
| Relative Humidity                   | 0-95% non-condensing  |
| SPECIAL FEATURES                    |   |
| Appearance                          | Attractive metallic gray color scheme   |
| Remote control capability           | No  |
| TVSS grounding                      | Main grounding screw for connecting inverter to earth, vehicle, or boat grounding systems |
| WARRANTY                            |   |
| Product Warranty Period (Worldwide) | 1-year limited warranty   |

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