

# Model #: PV700HF

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



## **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

## **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.

#### Applications

Ideal for portable electronics, office equipment, RV and mobile appliances, video game and small entertainment systems, battery chargers,
 and more

### Package Includes

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

#### **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**

#### **OUTPUT**

Continuous output capacity (watts) Peak output capacity (watts)  1400 Output nominal Output nominal Output rotage regulation Output rotage regulation Output rotage regulation Output rotage regulation Outlet quantity / type  180 Hz (+/- 3 Hz) Output regulative Outp	Frequency compatibility	60 Hz
Peak output capacity (watta)  Output nominal voltage of 115 V AC (+/- 8 V AC)  Output nominal voltage of 015 V AC (+/- 8 V AC)  Output voltage of 015 V AC (+/- 8 V AC)  Output requency regulation  Output requency a New York of the required duration (when used at full capacity). For electrical Service and an experiment of Electrical Service and Service	Output watts	700
Output nominal voitage regulation	Continuous output capacity (watts)	700
Output voltage regulation Maintains PWM sine wave output voltage of 115 V AC (+/- 8 V AC) regulation   Output frequency   FINDED   FRECommended   Electrical Service   Sequires 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   Input connection type   Set of 2 DC boil-down wiring terminals   Input connection type   Set of 2 DC boil-down wiring terminals   Input cond length   Uotage compatibility   Voltage compatibility   Voltage compatibility   Voltage compatibility   Voltage compatibility   Uotage	Peak output capacity (watts)	1400
Output frequency regulation Output frequency regulation Output frequency Outlet quantity / type 3 NEMA 5-15R INPUT  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 / Full continuous load - 80A at 12V DC, No load - 0.95A at 12V DC, Shutdown - 150 micro amps wetts  Input connection type Set of 2 DC bolt-down wiring terminals  Input cord length User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual) details  Alarms DC system voltage (VDC)  LEDS ALARMS & SWITCHES  Alarms Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less Switches Lighted on/off power switch  PHYSICAL  Shipping Dimensions (HWD/cm) \$1.55 x 15.88 x 26.16 (HWD/cm)  \$1.50 x 15.88 x 26.16 Unit Dimensions (HWD/cm)  \$2.75 x 8.17 x 5 (HWD/cm)  \$2.75 x 8.17 x 5 (HWD/cm)  Unit Dimensions (HWD/cm)  \$2.80 Unit weight (kg) \$1.26	Output nominal voltage	120V
regulation           3 NEMA 5-15R           INPUT           Recommended Electrical Service         Requires 12V DC input source capable of delivering 80A for the required duration (when used at full capacity). For Electrical Service           Maximum input amps / brill continuous load - 80A at 12V DC. No load - 0.95A at 12V DC, Shutdown - 150 micro amps waits           Input cord length details         User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual) details           Voltage compatibility (VDC)           DC system voltage (VDC)           LEDS ALARMS & SWITTHES           Alarms         Dual-function alarm indicates overfead conditions or low DC input voltage of 10.5V or less           Switches         Lighted on/off power switch           PHYSICAL           Shipping Dimensions (HWDCm)         3.75 x 6.25 x 10.3           Shipping Dimensions (HWDCm)         9.53 x 15.88 x 26.16           Shipping weight (lbs)         3.5           Shipping weight (kg)         1.6           Unit Dimensions (HWDCm)         7 x 20.75 x 12.6           Unit weight (kg)         1.26	Output voltage regulation	Maintains PWM sine wave output voltage of 115 V AC (+/- 8 V AC)
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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 / 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 User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual)  Voitage compatibility (VDC)  BATTERY  UCC)  Cosystem voltage (VDC)  Lighted on/off power switch  Lighted on/off power switch  PHYSICAL  Shipping Dimensions (HWDDin)  9.53 x 15.88 x 26.16  Shipping weight (kg)  1.6  Unit Dimensions (HWDDin)  7 x 20.75 x 12.6  Unit weight (kg)  1.26	Outlet quantity / type	3 NEMA 5-15R
Automotive applications, hardwire installation with 125A battery system fusing is recommended	INPUT	
Input connection type Input connection type Input cord length details User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual)  Voltage compatibility (VDC) BATTERY  DC system voltage (VDC) 12 LEDS ALARMS & SWITCHES  Alarms Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less  Switches Lighted on/off power switch  PHYSICAL  Shipping Dimensions (HWD/In) Shipping Dimensions (HWD/In) Shipping Dimensions (HWD/In)  3.55 Shipping weight (lbs) 3.5 Shipping weight (lbs) 1.6 Unit Dimensions (HWD/In) 7 × 20.75 × 12.6 (HWD/In) Unit Dimensions Unit weight (lbs) 2.8 Unit weight (kg) 1.26		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
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Voltage compatibility (VDC)  BATTERY  DC system voltage (VDC)  LEDS ALARMS & SWITCHES  Alarms  Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less  Switches  Lighted on/off power switch  PHYSICAL  Shipping Dimensions (HWD/im)  Shipping Dimensions (HWD/im)  Shipping weight (lbs)  Shipping weight (kg)  1.6  Unit Dimensions (HWD/im)  7 x 20.75 x 12.6  Unit weight (kg)  1.26	Input connection type	Set of 2 DC bolt-down wiring terminals
BATTERY   DC system voltage (VDC)   12	Input cord length details	User supplies cabling. Minimum gauges for full load operation: 6 gauge or larger (see instruction manual)
DC system voltage (VDC)  LEDS ALARMS & SWITCHES  Alarms  Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less  Switches  Lighted on/off power switch  PHYSICAL  Shipping Dimensions (HWD/in)  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/cm)  7 x 20.75 x 12.6  Unit weight (lbs)  2.8  Unit weight (kg)  1.26	Voltage compatibility (VDC)	12
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Switches         Lighted on/off power switch           PHYSICAL           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	LEDS ALARMS & SWITC	CHES
PHYSICAL           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 (Ibs)         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 (Ibs)         2.8           Unit weight (kg)         1.26	Alarms	Dual-function alarm indicates overload conditions or low DC input voltage of 10.5V or less
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(HWD/cm)         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	Shipping Dimensions (HWD/in)	3.75 x 6.25 x 10.3
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(HWD/in)         7 x 20.75 x 12.6           Unit Dimensions (HWD/cm)         2.8           Unit weight (lbs)         2.8           Unit weight (kg)         1.26	Shipping weight (kg)	1.6
Unit weight (lbs) 2.8 Unit weight (kg) 1.26	Unit Dimensions (HWD/in)	2.75 x 8.17 x 5
Unit weight (kg) 1.26	Unit Dimensions (HWD/cm)	7 x 20.75 x 12.6
	Unit weight (lbs)	2.8
Cooling method Fan	Unit weight (kg)	1.26
	Cooling method	Fan

Material of construction	Aluminum/sheet metal
Style	Compact
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

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3610.

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