

Portawattz 150 Inverter

xantrex

DC to AC Power Inverter



Ideal for powering small electronic products

Provides 150 watts of household AC power from a vehicle's 12-volt DC outlet

Designed for recreational and mobile office applications, Portawattz 150 transforms a vehicle's DC lighter socket into a standard 115-volt AC outlet. The 150 watts of continuous power is suitable for a variety of electronic products including small TVs, VCRs, portable computers, camcorders, cell phone chargers and video games. Portawattz 150 can surge to 400 watts to handle equipment that requires more power at start up.

The Portawattz 150 provides 5 to 10 hours of operating time from a typical vehicle battery. The exact running time will depend on the amount of power being drawn by the application. Portawattz 150 automatically shuts down at low voltage to prevent complete discharge of the vehicle's battery. This ensures there is always enough charge to start the vehicle.

The Portawattz family of inverters comes in a complete range of output levels. For complete portability, select a 150 or 300 model. For higher power applications, select a Portawattz 600, 1000, 1750 or 3000 model. These models are typically wired directly to a battery and offer a number of high end features.

Product Features

- ▶ 150-watt maximum continuous power
- ▶ 400-watt surge capacity
- ▶ Power on and fault condition LEDs
- ▶ Grounded, three-prong AC receptacle
- ▶ Regulated output to protect equipment from voltage spikes and fluctuations
- ▶ Totally silent operation
- ▶ Ultra compact size

Protection Features

- ▶ Over temperature shutdown
- ▶ Overload shutdown
- ▶ Low/over voltage shutdown
- ▶ LED indicator confirms fault condition

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Electrical Specifications

| | |
|--------------------------|------------------------|
| Maximum continuous power | 150 W |
| Surge capability | 400 W |
| No load current draw | <0.1 A |
| Peak efficiency | 90% |
| Output waveform | Modified sine wave |
| Output frequency | 60 Hz +/- 4 Hz |
| Output voltage | 115 VAC RMS +/- 10 VAC |
| Input voltage range | 10 to 15 VDC |

Mechanical Specifications

| | |
|------------------------|--|
| Operating temperature | 32°F to 104°F (0°C to + 40°C) (derated above 25°C) |
| Weight | 1.3 lb (600 g) |
| Dimensions (H x W x L) | 1.6" x 4.7" x 4.7" (42 mm x 120 mm x 120 mm) |
| AC receptacle | Grounded, 3-prong AC receptacle |
| Part Numbers | 803-1500 (150) 803-1501 (150 SI) |

Note: Specifications are based on a 12-volt DC nominal input.

Protection Features

| | |
|---------------------------|---------------|
| Over temperature shutdown | Yes |
| Input protection | |
| Over voltage shutdown | 15 VDC |
| Low voltage shutdown | 10 VDC |
| Output protection | |
| Overload | Yes, shutdown |

Note: Specifications subject to change without notice.

Operating Time Example

With a typical small car battery (24 NF), Portawattz 150 can run a 75-watt laptop computer for 9 hours.