

Prowatt 150, 300, 400 and 600

xantrex

DC to AC 12 V Power Inverters



Provides Portable AC Power

Our Prowatt Modified Sine Wave Series of inverters are an economical solution for your power needs, and are available in handheld or hardwire models ranging from 150 to 600 watts. A Prowatt inverter is ideal for operating resistive loads such as lighting. Its solid-state circuitry precisely regulates the voltage and frequency of the modified sine wave output, and automatic low voltage shutdown protects your expensive batteries from excessive depletion.

Product Features

- ▶ Powers AC products up to 150, 300, 400 and 600 watts
- ▶ Plugs into any lighter socket for instant AC power outlet (Prowatt 150 and 300)
- ▶ High surge capacity for starting demanding loads
- ▶ Dual AC outlet (Prowatt 300); Triple AC outlet (Prowatt 600)
- ▶ Built-in mounting brackets and DC post connectors for convenient hardwire installations (Prowatt 400)
- ▶ Regulated output protects sensitive equipment (Prowatt 150 and 300)
- ▶ Auto shutdown prevents total battery discharge
- ▶ Silent operation
- ▶ One year warranty

Protection Features

- ▶ Overload shutdown
- ▶ Over temperature shutdown
- ▶ Over and under voltage protection
- ▶ Low voltage shutdown (10.0 volts)
- ▶ Low voltage alarm (10.7 volts)
- ▶ LED indicator confirms fault condition

Xantrex Technology Inc.

Headquarters
8999 Nelson Way
Burnaby, British Columbia
Canada V5A 4B5
800 670 0707 Toll Free
604 420 1591 Fax

5916 195th Street NE
Arlington, Washington
USA 98223
800 446 6180 Toll Free
360 925 5144 Fax

DC to AC 12 V Power Inverters

Electrical Specifications

Model	150	300	400	600
Maximum AC power	150 watts	300 watts	400 watts	600 watts
Surge capacity (peak)	400 watts	500 watts	800 watts	1200 watts
AC output frequency	60+/-4 Hz	60+/-4 Hz	60+/-4 Hz	60+/-4 Hz
AC output voltage	115 VAC +/-10%	115 VAC +/-10%	115 VAC +/-10%	115 VAC +/-10%
Output waveform	Modified sine wave	Modified sine wave	Modified sine wave	Modified sine wave
Peak efficiency	90%	90%	90%	90%
No load current draw	0.15 A	<0.18 A	<0.21 A	<0.3 A
Input voltage range	10 – 15 VDC	10 – 15 VDC	10 – 15 VDC	10 – 15 VDC

General Specifications

Output temperature range	32°F – 104°F / 0°C – 40°C 32°F – 104°F / 0°C – 40°C 32°F – 104°F / 0°C – 40°C 32°F – 104°F / 0°C – 40°C			
AC receptacle	Single	Dual	Dual	Triple
DC connection	DC socket	DC socket	DC socket and hardwire	Hardwire
Recommended DC fuse	n/a	30 A	50 A	80 A
LED indicators	Power on and fault	Power on and fault	Power on and fault	Power on and fault
Dimensions (H x W x L)	50 x 120 x 120 mm	50 x 120 x 160 mm	46 x 120 x 160 mm	65 x 160 x 280 mm
Weight	1.3 lb (600 g)	1.8 lb (820 g)	2.0 lb (920 g)	4.1 lb (2.0 kg)
Warranty	One year	One year	One year	One year
Part number	801-0150	801-0300	801-0400	801-0600

Note: Specifications subject to change without notice.

Operating Times for Popular Products

Battery Size (Amp Hours)

Examples	Power (W)	Small Car (50)	Large Car (75)	RV, Boat (100)
Fluorescent light	25	18 hours	28 hours	40 hours
Portable stereo	50	9 hours	14 hours	20 hours
Laptop computer	75	6 hours	9 hours	13 hours
Fax machine	150	3 hours	4 hours	5 hours
19" TV	100	4 hours	6 hours	10 hours
Desktop computer	*200	2 hours	3 hours	4.5 hours
Small power drill	*300	1 hour	2 hours	3 hours
Portable vacuum	*500	0.6 hour	1 hour	3 hours

*When operating products that require high surge or continuous power over 150 watts, we recommend hard wiring the inverter directly to the battery.

Choosing the Right Inverter Size

Example	Volts		Amps	=	Watts
16" Fan	115 V	x	0.4 A	=	46 W*
20" TV-VCR	115 V	x	2.8 A	=	322 W*
Blender	115 V	x	3.87 A	=	445 W***

Wattage calculation: (Volts x Amps = Watts)

*The 16" fan is within the Prowatt 150's maximum continuous power rating of 150 watts.

**The 20" TV/VCR combination is within the Prowatt 400's maximum continuous power rating of 400 watts.

***The blender is within the Prowatt 600's maximum continuous power rating of 600 watts.