

## Prowatt 1000, 1750 and 3000

### DC to AC 12 V Power Inverters



### Provides 1000, 1750 and 3000 watts of Portable AC Power

The Prowatt 1000 provides up to 1000 watts of continuous power, making it ideal for large single loads, intermittent loads or multiple smaller loads. Typical applications include compact microwaves, coffee-makers, vacuum cleaners, fans, lighting, and a variety of power tools.

The Prowatt 1750 is designed to handle high power and many industrial applications, and is ideal for running virtually any electrical item found in a home, or several small appliances simultaneously. Typical applications include large televisions, full-size microwaves, coffee makers, toasters, and blow dryers.

The Prowatt 3000 is designed for high power and industrial applications. Its high surge output is ideal for heavy-duty loads or multiple smaller AC loads. It can often be used in place of a generator for large intermittent loads. Common applications include: washers, compact dryers, circular saws, air compressors, pumps, air conditioners, refrigerators and freezers.

### Product Features

- ▶ 1000 / 1750 / 3000 watts maximum, 2000 / 3000 / 5000 watt surge capability
- ▶ Built-in LED display for DC volts and amps
- ▶ Supports addition of external AC outlets
- ▶ Dual GFCI receptacles (single receptacle for Prowatt 3000) for safe operation and hardwire AC connections
- ▶ Heavy duty terminals for trouble-free battery connection (Prowatt 1750 and 3003)
- ▶ Includes ON/OFF remote switch
- ▶ Two year warranty

### Protection Features

- ▶ Low voltage shutdown (10.0 VDC)
- ▶ Low voltage alarm (10.7 VDC)
- ▶ Over voltage protection (15.0 VDC)
- ▶ Overload shutdown
- ▶ Over temperature shutdown
- ▶ GFCI protection (Prowatt 1000, 1750)

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## DC to AC 12 V Power Inverters

### Electrical Specifications

Model	1000	1750	3000
Maximum AC power	1000 W	1750 W	3000 W
Surge capacity (peak)	2000 W	3000 W	5000 W
AC output frequency	60 Hz +/-0.01 Hz	60 Hz +/-0.01 Hz	60 Hz +/-0.01 Hz
AC output voltage	115 VAC +/-5%	115 VAC +/-5%	115 VAC +/-5%
Output waveform	Modified sine wave	Modified sine wave	Modified sine wave
Optimum efficiency	90%	90%	90%
No load current draw	<0.45 A	<0.65 A	<0.6 A
Input voltage range	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
AC receptacle	Dual GFCI	Dual GFCI	Single, dedicated breaker
DC connection	Hardwire	Hardwire	Hardwire
Recommended DC fuse	150 A	200 A	400 A
LED display	DC V & A, over-temp, overload	DC V & A, over-temp, overload	DC V & A, over-temp, overload
Remote ON/OFF	Included	Included	Included
Dimensions (H x W x L)	3.25 x 9.5 x 10.25" (80 x 240 x 260 mm)	3.25 x 9.5 x 16.25" (80 x 240 x 410 mm)	6.25 x 8.0 x 18.5" (160 x 205 x 470 mm)
Weight	5.2 lb	8.25 lb (3.8 kg)	20 lb (9.0 kg)
Warranty	Two year	Two year	Two year
Part number	801-1000 808-9000 (Prowatt Remote Switch)	801-1750 808-9000 (Prowatt Remote Switch)	801-3000 808-9000 (Prowatt Remote Switch)

Note: Specifications subject to change without notice.

### Operating Times for Popular Products

Your engine battery is suitable for either light loads or short-term use with heavy loads. Separate deep-cycle RV, marine or golf-cart batteries are recommended for anything other than light duty use. The following table shows you how long you can operate various appliances from different battery sizes.

#### BCI Group Battery Size (Amp Hours)

Examples	Power (W)	27 NF (100)	8D (200)	Dual 8Ds (400)	4 - T105's 6V Golf cart (440)	4 - 8Ds (800)
19" Color TV	100	10 hours	20 hours	40 hours	44 hours	80 hours
Computer system	200	4.5 hours	10 hours	20 hours	22 hours	40 hours
Power drill	500	1.5 hours	3.8 hours	8 hours	8.8 hours	16 hours
Coffee maker	1000	0.6 hour	0.9 hours	3.8 hours	4.2 hours	8 hours
Microwave oven	1500	Not recommended	Not recommended	2.2 hours	2.5 hours	4.8 hours
Coffee maker and microwave oven	2500	Not recommended	Not recommended	1.2 hours	1.3 hours	2.8 hours

### Choosing the Right Inverter Size

Example	Volts		Amps	=	Watts
Microwave oven	115 V	x	12.5 A	=	1438 W*

**Wattage calculation: (Volts x Amps = Watts)**

\*The microwave is within the Prowatt 3000's maximum continuous power rating of 3000 watts.