

# XPower Inverter 1000



## DC to AC Power Inverter



### Mobile Power for Trucks, RVs and Minivans

The XPower Inverter 1000 is a compact and lightweight inverter that connects easily to a 12 VDC battery to provide up to 1000 watts of AC power for medium-duty applications. The XPower Inverter 1000 is ideal for long haul truckers who need to power home appliances, consumer electronics and office equipment on-board their truck. It is also suitable for small contractors to operate power tools from their van or pick-up truck, and for use in an RV or minivan.

#### Product Features

- ▶ Portable power for AC products rated up to 1000 watts
- ▶ Two AC receptacles for connecting multiple loads
- ▶ High surge capacity for products that require more power to start
- ▶ High efficiency - converts virtually all the battery's available power to AC
- ▶ Mounting brackets for convenient installation
- ▶ Heavy duty stud connectors
- ▶ Six months warranty

#### Protection Features

- ▶ Overload and over temperature shutdown
- ▶ Over voltage protection (15.0 VDC)
- ▶ Low voltage alarm (11 VDC)
- ▶ Low voltage cut-out (10.5 VDC)
- ▶ Battery reverse polarity (internal fuse protected)

#### Product Applications

- ▶ Household Appliances: compact microwave ovens, bread makers, food processors, small bar refrigerators, small vacuum cleaners, fluorescent and incandescent lights, sewing machines and fans
- ▶ Power Tools: drills, jigsaws, sanders and buffers
- ▶ Entertainment Electronics: televisions, VCRs, video games, stereos, musical instruments and satellite equipment
- ▶ Office Equipment: computers with 17" monitors, printers, facsimile machines

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### Electrical Specifications

Max. continuous power	1000 watts
5 min. continuous power	1200 watts
Surge capacity (peak)	2000 watts
AC output voltage	115 VAC +/- 5%
AC output frequency	60 Hz +/- 4 Hz
AC output waveform	Modified sine wave
Optimum efficiency	90%
No load current draw	< 0.3 A DC
Input voltage range	10.5 - 15 VDC

### General Specifications

Operating temperature range	32°F – 104°F / 0°C – 40 °C
AC receptacle	Two
Dimensions (HxWxL)	3.2 x 9.4 x 11.4" (83 x 240 x 290 mm)
Weight	6.8 lb (2.9 kg)
Warranty	Six Months
Part numbers	813-1000

Note: Specifications subject to change without notice.

### Suitable Applications

When connected to a vehicle's engine battery, the XPower Inverter 1000 is suitable for powering light loads or for short-term use with heavy loads. For heavy loads, Xantrex recommends you use the inverter with a standalone deep-cycle RV, marine, or golf-cart battery.

### Calculating Power Requirements

Wattage calculation: Volts x Amps = Watts

### Choosing the Right Inverter Size

Example	Volts (AC)		Amps	=	Watts
Bread maker	115 V	x	5.5 A	=	632 W

\*The bread maker is within the XPower Inverter 1000's maximum continuous power rating of 1000 watts.

### Operating Times for Popular Products

Examples	Power (W)	Battery Type (Amp Hours)				
		22 NF (50)	24 NF (75)	27 NF (100)	8 D (200)	Dual 8D's (400)
19" Color TV	100	4.5 hours	7 hours	10 hours	20 hours	40 hours
Computer system	200	2 hours	3 hours	4.5 hours	10 hours	20 hours
Blender	300	1 hour	2 hours	2.7 hours	6.3 hours	13 hours
Power drill	400	1 hour	1.5 hours	2 hours	4.5 hours	10 hours
Microwave oven	800	Not recommended	0.6 hour	0.8 hour	1.9 hours	4.5 hours
Toaster	1000	Not recommended	Not recommended	0.6 hours	1.4 hours	3.4 hours