

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 handheld 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

Protection Features

- ▶ Overload and over temperature shutdown
- ▶ Over voltage protection (15.0 VDC)
- ▶ Low voltage alarm (11.0 VDC)
- ▶ Low voltage cut-out (10.5 VDC)

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
- ▶ Handheld 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, facsimile machines

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Electrical Specifications

Surge capacity (peak)	2000 watts
Max. continuous power	1000 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 - 15.0 VDC

General Specifications

Operating temperature range	32°F – 104°F / 0°C – 40 °C
AC receptacle	Two
Dimensions (HxWxL)	11.34 x 5.94 x 2.75" (18.8 x 15.1 x 7 cm)
Weight	4.23 lbs (1.92 kg)
Warranty	90 days
Part number	813-1000-00

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	115V	x	5.5A	=	632 watts
20" TV/VCR Combo	115V	x	1.0A	=	115 watts
Total					747 watts

*The bread maker and TV/VCR Combo are within the XPower Inverter 1000's maximum continuous power rating.

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