

Xentrex XPower Inverters

Mobile Power for Trucks, RVs and Boats

XPower Inverters connect easily to 12 volt batteries to provide AC power for a variety of medium to heavy duty applications. Designed for easy installation and operation, the XPower inverters provide a reliable source of power onboard trucks, RVs and boats to run home appliances, consumer electronics, entertainment systems, power tools, office equipment and much more. They are also suitable for small contractors who need to operate handheld power tools from their van or pick-up truck. The powerful 5000-watt model has four GFCI outlets for multiple loads and an easy-to-read digital display for instant system information. All models meet the stringent UL458 regulatory requirements.

Product Features

- ▶ Portable power for AC products: 1000, 1500, 3000 and 5000 watt models available
- ▶ Two GFCI AC receptacles for connecting multiple loads
- ▶ 5000-watt model: Four GFCI AC receptacles, each equipped with a 20-amp breaker
- ▶ 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
- ▶ Remote on/off switch included

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

XPower™ Inverter 1000, 1500, 3000 & 5000

Electrical Specifications	Inverter 1000	Inverter 1500	Inverter 3000	Inverter 5000
Surge capacity (peak)	2000 watts	3000 watts	5000 watts	10000 watts
Max. continuous power	1000 watts	1500 watts	2500 watts	4000 watts
AC output voltage	115 VAC +/- 5%	115 VAC +/- 5%	115 VAC +/- 5%	115 VAC +/- 5%
AC output frequency	60 Hz +/- 1 Hz	60 Hz +/- 1 Hz	60 Hz +/- 1 Hz	60 Hz +/- 1 Hz
AC output waveform	Modified sine wave	Modified sine wave	Modified sine wave	Modified sine wave
Optimum efficiency	90%	90%	90%	90%
No load current draw	< 0.3 A DC	< 0.3 A DC	< 0.6 A DC	< 0.6 A DC
Input voltage range	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC

General Specifications				
Operating temperature range	32°F – 104°F / 0°C – 40 °C			
AC receptacle	Two	Two	Two	Four
Dimensions (HxWxL)	2.8 x 5.9 x 12.3" (70 x 151 x 312 mm)	3 x 5.9 x 15" (75 x 151 x 382 mm)	4.3 x 9.5 x 18.5" (109 x 240 x 468 mm)	6.25 x 8 x 19.5" (160 x 205 x 520 mm)
Weight	4.4 lbs (2 kg)	5.9 lbs (2.7 kg)	12.9 lbs (5.9 kg)	24.1 lbs (10.9 kg)
Warranty	1 year	1 year	1 year	1 year
Part number	813-1000-UL	813-1500-UL	813-3000-UL	813-5000-UL

Packaging Specifications				
Retail package size (HxWxL)	5.1 x 8.3 x 14.4" (130 x 210 x 365 mm)	5.1 x 8.3 x 16.9" (130 x 210 x 430 mm)	8.1 x 12 x 23.4" (205 x 306 x 595 mm)	12 x 10.25 x 23.5" (304 x 260 x 596 mm)
Weight	6.3 lbs (2.9 kg)	7.9 lbs (3.6 kg)	17.4 lbs (7.9 kg)	27 lbs (12.2 kg)
Master carton size (HxWxL)	12 x 14.6 x 17.4" (304 X 370 X 442 mm)	11.8 x 17 x 17.4" (300 x 432 x 443 mm)	17.2 x 12.6 x 23.9" (436 x 320 x 607 mm)	13 x 11 x 24" (330 x 279 x 609 mm)
Count	4	4	2	1
Weight	25.3 lbs (11.5 kg)	31.5 lbs (14.3 kg)	34.8 lbs (15.8 kg)	30 lbs (13.6 kg)
UPC number	715535896430	715535896478	715535896553	715535890452

ProWatt SW Series Power Inverter

The PROwatt SW Series feature True Sine-Wave AC output with 540, 900 and 1800 continuous watts respectively. With high surge capability, the PROwatt SW Series provides the necessary current to startup demanding electrical loads such as variable speed power tools, advanced electrical appliances, microwaves and much more. In addition to dual GFCI AC receptacles, the PROwatt SW Series include an innovative USB connection for providing power to most USB chargeable devices. The PROwatt SW Series offers many safety features not found in similar

inverters. When equipped with a remote control, the PROwatt SW Series has the ability to provide automatic ignition lockout shutting down the inverter's output when the vehicle's ignition is not engaged.

Power inverter providing AC power anywhere you need it.

The compact, easy-to-use and easy-to-install design of the PROwatt SW Series makes it ideal for use in commercial truck, RV and marine applications. With True Sine-Wave output, the PROwatt SW Series can provide power for all types of electrical loads including, variable speed power tools, advanced electrical appliances, microwaves and much more. The PROwatt SW provides household AC power anywhere.

Product Features

- 600 / 1000 / 2000 watts maximum, 1200 / 2000 / 3000 watt surge capability
- Built-in digital display for DC volts and output power
- Built-in USB port
- Dual GFCI AC receptacles for safe operation
- Heavy duty terminals for trouble-free battery connection
- Available ON/OFF remote switch (with ignition lockout)
- Meets stringent UL458 regulatory standard
- Two year warranty

Protection Features

- Low voltage shutdown (10.5 Vdc)
 - Low voltage alarm (11.0 Vdc)
 - Over voltage protection (15.5 Vdc)
 - Over load shutdown
 - Over temperature shutdown
 - GFCI protection
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Xantrex ProSine Inverters

Provides 1000 and 1800 watts of sine wave AC power from a DC source

Offering superior quality true sine wave output, the PROsine™ 1000 and 1800 stand-alone inverters are ideally suited for electrical systems that already have a quality multistage battery charger. Designed for recreational and industrial applications, their 120-volt, 60 Hz AC power output is capable of handling both heavy duty and smaller, multiple AC loads. PROsine inverters include a backlit LCD display panel, which can be mounted remotely.

Product Features

- ▶ 1000 and 1800 watt inverters (1500 and 2900 watt surge capability)
- ▶ True sine wave AC output (crystal controlled)
- ▶ Removable LCD display can be mounted remotely for control and monitoring
- ▶ Unique DC terminals offer 180-degree connections for easy installation in tight places
- ▶ Powersave mode draws only 1.5 watts under no load
- ▶ Two year warranty

Protection Features

- ▶ Over temperature shutdown and automatic overload protection
- ▶ Over voltage and under voltage protection
- ▶ Short circuit and AC backfeed protection

Options

- ▶ Available in 12 and 24 volt models
- ▶ Models available with GFCI AC outlet or AC hardwire terminal strip for permanent installation into an electrical system (optional 15 A transfer switch available with hardwire option)
- ▶ Remote interface kit for remote mounting of display module

Ultra-clean true sine wave power

- ▶ With less than 3% total harmonic distortion, PROsine 1000 and 1800 inverters deliver true sine wave output that is identical to AC power supplied by your utility. This clean output makes PROsine inverters ideal for handling sensitive loads and improves AC equipment performance. Expect trouble-free true sine wave electricity for televisions, audio systems, variable speed tools, and more.

Light and compact

- ▶ PROsine inverters are lighter and more compact than other inverters with similar power ratings because they use high-frequency switching technology in the power conversion process.

PROsine 1000 Watt and 1800 Watt Sine Wave Inverters

Electrical Specifications

Models	PROsine 1000	PROsine 1800
Output power	1000 W	1800 W
Surge rating	1500 W	2900 W
Output current (peak)	25 A	45 A
Output voltage (at no load)	120 Vac +/-3%	120 Vac +/-3%
Output voltage (over full load and battery voltage range)	120 Vac RMS -10%/+4%	120 Vac RMS -10%/+4%
Output frequency	60 +/-0.05 (crystal controlled)	60 +/-0.05 (crystal controlled)
Output waveform	True sine wave (<3% THD)	True sine wave (<3% THD)
Peak efficiency (12 V/24 V)	89% / 90%	89% / 90%
No load power draw (search mode)	<1.5 W	<1.5 W
No load power draw (idle mode)	<22 W	<22 W
Input voltage range (12 V/24 V)	10 – 16 Vdc / 20 – 32 Vdc	10 – 16 Vdc / 20 – 32 Vdc
Transfer relay rating (hardwire/transfer relay models)	15 A	15 A
Transfer time AC to inverter and inverter to AC	Max 2 cycles (typically 1 cycle) <2.5 seconds with Powersave "ON"	Max 2 cycles (typically 1 cycle) <2.5 seconds with Powersave "ON"

General Specifications

Operating temperature range	32°F – 140°F (0°C – 60°C)	32°F – 140°F (0°C – 60°C)
Storage temperature range	-22°F – 158°F (-30°C – 70°C)	-22°F – 158°F (-30°C – 70°C)
AC output types	Dual GFCI receptacle Hardwire Hardwire with transfer relay	Dual GFCI receptacle Hardwire Hardwire with transfer relay
LCD display panel	Removable; can be mounted remotely (requires remote interface kit - see part number section) Displays DC volts, amps and output power	Removable; can be mounted remotely (requires remote interface kit - see part number section) Displays DC volts, amps and output power
Recommended DC fuse	12 V: 150 A or 175 A* 24 V: 70 A or 90 A* *Depending on applicable installation codes	12 V: 225 A or 300 A* 24 V: 100 A or 150 A* *Depending on applicable installation codes
Dimensions (H x W x D)	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)
Weight	14.5 lb (6.5 kg)	16.5 lb (7.5 kg)
Warranty	Two year	Two year
Part Numbers		
12-volt		
GFCI outlet	806-1000	806-1800
Hardwire with transfer relay		806-1802
24-volt		
GFCI outlet		806-1850
Hardwire		806-1851
Hardwire with transfer relay		806-1852
Remote interface panel	808-1800	808-1800

Regulatory Approvals

CSA/NRTL certified to CSA 107.1, UL 458 (including Marine supplement)

KKK-A-1822D: Federal specification for use on ambulances

Designed to meet ABYC E8, E9, A25 for marine applications

Note: Specifications subject to change without notice.

Xantrex ProSine 2.0 Inverter

2000 Watt Pure Sine Wave Inverter/Charger

Provides 2000 watts of pure sine wave AC power from a DC source and 100-amp multistage battery charging.

A powerful all-in-one solution, ProSine 2.0 inverter/chargers (part#805-2000 – hardwire version) deliver up to 2000 watts of unsurpassed clean pure sine wave output power and combines this with a 100 amp, multistage battery charger. Series stackability allows for two units to power 240 VAC applications such as power tools, over ranges, washer/dryer combinations and air conditioners. The ProSine 2.0 is ideal for upgrading your electrical system in a boat, RV, or a utility vehicle. The system includes a full function LCD remote control panel and battery temperature sensor.

Xantrex Freedom SW Inverter

The second generation 2000 watt model has been completely redesigned to include many of the same great features found in its high power counterpart. A key feature enhancement is 'Generator Support Mode' which enables the Freedom SW to supplement a generator¹ when AC loads exceed the generator's capacity. The new generation models also feature improved AC transfer/AC input detection time, providing the ability to transfer AC loads to batteries in less than 10 milliseconds when the incoming grid or generator power is lost. Connected loads are almost unable to feel the power transition due to this quick transfer time. Both models are approved to UL458 with marine supplement, CSA, ABYC and FCC, Class B requirements.

NEW – PARALLEL AND SERIES STACKING

Parallel stacking enables the Freedom SW inverter/chargers to double the AC output in inverter mode. Series stacking enables the Freedom SW inverter/chargers to generate 120/240 V split phase output²

² AC source must be split phase, requires Stacking Cable (part# 808-9005)