

# Prosine 1000

xantrex

## 1000 Watt True Sine Wave Inverter



CSA/NRTL Certified to UL & CSA Standards

### Provides 1000 watts of true sine wave AC power from a DC source

Offering superior quality true sine wave output, the Prosine 1000 stand-alone inverter is ideally suited for electrical systems that already have a quality multistage battery charger. Designed for recreational and industrial applications, its 120-volt, 60 Hz AC power output is capable of handling both heavy duty and smaller, multiple AC loads.

#### Product Features

- ▶ 1000 watt inverter (1500 watt surge)
- ▶ True sine wave 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
- ▶ One 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

#### Ultra-clean true sine wave power

- ▶ With less than 3% total harmonic distortion, the Prosine 1000 delivers true sine wave output that is identical (in some cases better than) AC power supplied by your utility. This clean output makes Prosine inverters ideal for handling sensitive loads and for improved 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.

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### Electrical Specifications

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

### General Specifications

<b>Operating temperature range</b>	32°F – 140°F (0°C – 60°C)
<b>Storage temperature range</b>	-22°F – 158°F (-30°C – 70°C)
<b>AC receptacle</b>	Optional dual, GFCI receptacle Hardwire (transfer relay option)
<b>LED display panel</b>	Removable; can be mounted remotely Displays DC volts, amps and output power
<b>Recommended DC fuse</b>	150 A
<b>Dimensions (H x W x D)</b>	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)
<b>Weight</b>	14.5 lb (6.5 kg)
<b>Warranty</b>	One year
<b>Part numbers</b>	806-1000 (12 V w/GFCI outlets) 806-1001 (12 V w/AC hardwire) 806-1002 (12 V w/AC hardwire & transfer switch) 806-1050 (24 V w/GFCI outlets) 806-1051 (24 V w/AC hardwire) 805-1052 (24 V w/AC hardwire & transfer switch) 808-1800 (Remote interface kit)

### Regulatory Approvals

CSA/NRTL certified to CSA 107.1, UL 458 and UL 1741 standards

EMC: FCC Class B

KKK-A-1822D

Designed to meet: ABYC E8, E9, A25

Note: Specifications subject to change without notice.