

# Prosine 1800

xantrex

## 1800 Watt True Sine Wave Inverter



NRTL  
CSA/NRTL Certified to UL & CSA Standards

### Provides 1800 watts of true sine wave AC power from a DC source

Offering superior quality true sine wave output, the Prosine 1800 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

- ▶ 1800 watt inverter (2900 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 1800 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.

### Xantrex Technology Inc.

Headquarters  
8999 Nelson Way  
Burnaby, British Columbia  
Canada V5A 4B5  
800 670 0707 Toll Free  
604 420 1591 Fax

5916 195th Northeast  
Arlington, Washington  
USA 98223  
800 446 6180 Toll Free  
360 925 5144 Fax

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### Electrical Specifications

Output power	1800 watts
Surge rating	2900 watts
Output current (peak)	45 A
Output voltage (at no load)	120 VAC +/-3%
Output voltage (over full load and battery voltage range)	120 VAC RMS -10%/+4%
Output frequency	60+/-0.05 (crystal controlled)
Output waveform	True sine wave (<3% THD)
Peak efficiency (12 V/24 V)	89% / 90%
No load power draw (search mode)	<1.5 W
No load power draw (idle mode)	<22 W
Input voltage range (12 V/24 V)	10 – 16 VDC / 20 – 32 VDC
Transfer relay rating (hardwire/transfer relay models)	15 A
Transfer time AC to inverter and inverter to AC	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)
Storage temperature range	-22°F – 158°F (-30°C – 70°C)
AC receptacle	Optional dual, GFCI receptacle Hardwire (transfer relay option)
LED display panel	Removable; can be mounted remotely Displays DC volts, amps and output power
Recommended DC fuse	250 A
Dimensions (H x W x D)	4.5 x 11.0 x 15.4" (115 x 280 x 390 mm)
Weight	16.5 lb (7.5 kg)
Warranty	One year
Part numbers	806-1800 (12 V w/GFCI outlets) 806-1801 (12 V w/AC hard wire) 806-1802 (12 V w/AC hard wire & transfer switch) 806-1850 (24 V w/GFCI outlets) 806-1851 (24 V w/AC hard wire) 805-1852 (24 V w/AC hard wire & 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.