

PROSINE-i INVERTER DATASHEET



AVAILABLE IN:
1000A/12V
1000A/24V
1800A/24V

PREMIUM, HEAVY DUTY, TRUE SINE WAVE INVERTERS

Offering superior quality sine wave output, the PROsine 1000i and 1800i stand-alone inverters are ideally suited for electrical systems that already have a quality multistage battery charger. Designed for recreational and industrial applications, PROsine inverters are suitable for both heavy duty and sensitive electronic loads. The inverters are lighter and more compact than others with similar power ratings because they use high-frequency switching technology in the power conversion process.



12Vdc and 24Vdc Options



Built-in Transfer Relay



GFCI outlet and hardware options



Surges to 2x Output for 5s or more

APPLICATIONS:



**2 YEAR
WARRANTY**

www.xantrex.com
CUSTOMER CARE: 1.800.670.0707



ISOMETRIC VIEW



TOP VIEW

PRODUCT FEATURES

- True sine wave output
- Less than 3% Total Harmonic Distortion (THD)
- Removable and mountable LCD display for control and monitoring
- Unique DC terminals offer 180-degree connections for easy installation in tight spaces
- Powersave mode draws only 1.5 watts under no load
- Schuko AC receptacle
- Models available with Shucko, hardwire, and hardware with transfer switch

PROTECTION FEATURES

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

PROSINE-i INVERTER DIMENSIONS



ACCESSORIES

Mfg Part #	Description
808-1800	Remote Interface Panel

NOTE: Contact Xantrex or your dealer to order these accessories.

ELECTRICAL SPECIFICATIONS

	PROsine 1000i	PROsine 1800i
Output Current (nominal)	1000W	1800W
Surge Rating	1500W	2900W
Output Current (peak)	11A	20A
Output Voltage (at no load)	230Vac $\pm 3\%$	230Vac $\pm 3\%$
Outage Voltage (over full load and battery voltage range)	230Vac RMS $+4\%/-10\%$	230Vac RMS $+4\%/-10\%$
Output Frequency	50 ± 0.05 (crystal controlled)	50 ± 0.05 (crystal controlled)
Output Waveform	True sine wave ($<3\%$ TBH)	True sine wave ($<3\%$ TBH)
Peak Efficiency	90%	90%
No Load Power Draw (search mode)	$<1.5W$	$<1.5W$
No Load Power Draw (idle mode)	$\sim 22W$	$\sim 22W$
Input Voltage Range	10–16Vdc / 20–32Vdc	10–16Vdc / 20–32Vdc
Transfer Relay Rating (hardware/transfer relay models)	10A	10A
Transfer Time AC to Inverter and Inverter to AC	Max 2 cycles (typically 1 cycle) $<2.5s$ w/ Powersave ON)	Max 2 cycles (typically 1 cycle) $<2.5s$ w/ Powersave ON)

GENERAL SPECIFICATIONS

	PROsine 1000	PROsine 1800
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	Hardware	Hardware
	Hardware with transfer relay	Hardware with transfer relay
	Schuko AC receptacle	Schuko AC receptacle
LCD Display Panel	Removable; can be mounted remotely (requires remote interface kit – see Accessories)	Removable; can be mounted remotely (requires remote interface kit – see Accessories)
Recommended DC Fuse	12V: 175A or 300A* 24V: 90A or 100A*	12V: 175A or 300A* 24V: 90A or 100A*
Dimensions (H x W x L)	4.5 x 11.0 x 15.4" (115 x 280 x 390mm)	4.5 x 11.0 x 15.4" (115 x 280 x 390mm)
Weight	14.5lb (6.5kg)	16.5lb (7.5kg)
Part Numbers		
12-volt Schuko	806-1070	806-1870
12-volt Hardware with Transfer Relay	806-1074	806-1874
24-volt Schuko	806-1080	806-1880
24-volt Hardware with Transfer Relay	806-1084	806-1884

REGULATORY APPROVALS

E-mark, CE Mark - Low Voltage Directive 2006/95/EC (EN 50178:1997). EMC Directive 2004/108/EC (EN 61000-6-1:2007 & EN 61000-6-3:2007). Automotive EMC Directive 2004/104/EC as amended by 2005/83/EC

Specifications are subject to change without notice. *Depending on applicable installation codes

CONTACT

CUSTOMER SERVICE

1.800.670.0707
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Hours of operation:
6:30am - 4:30pm PST, Monday to Friday



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