



## 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](http://www.xantrex.com)

CUSTOMER CARE: 1.800.670.0707

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ISOMETRIC VIEW



TOP VIEW

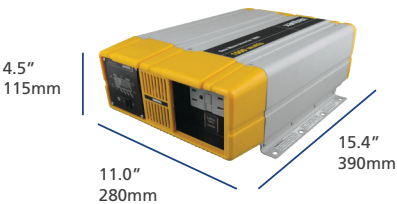
## PRODUCT FEATURES

- 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
- Schucko 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 $\pm 0.05$ (crystal controlled)                     | 50 $\pm 0.05$ (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)                            | ~22W                                                   | ~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<br>(requires remote interface kit – see Accessories) | Removable; can be mounted remotely<br>(requires remote interface kit – see Accessories) |
| Recommended DC Fuse                  | 12V: 175A or 300A*<br>24V: 90A or 100A*                                                 | 12V: 175A or 300A*<br>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)                                                                          |
| <b>Part Numbers</b>                  |                                                                                         |                                                                                         |
| 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

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 6:30am - 4:30pm PST, Monday to Friday



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