

# Prosine 2.5/3.0 Inverter/Chargers

xantrex

2500/3000 Watt True Sine Wave



Prosine 3.0 with ACS remote panel



NRTL  
CSA/NRTL Certified to UL & CSA Standards

## Provides 2500/3000 watts of sine wave AC power from a DC source and multistage battery charging

The Prosine 2.5 and 3.0 inverter/chargers offer a powerful all-in-one solution, delivering unsurpassed clean true sine wave electrical power for all types of appliances along with technologically superior three-stage charging for longer battery life. Offering a revolutionary technology and power to weight ratio, Xantrex Prosine technology is the benchmark for premium integrated power systems.

### Prosine 2.5/3.0

- ▶ 2500/3000 watt inverter, 50 A surge capability
- ▶ Power factor corrected multistage charger
- ▶ True sine wave output (crystal controlled)
- ▶ Built-in 30 A transfer switch automatically transfers between inverter power and incoming AC power
- ▶ Equalization mode conditions batteries for longer life
- ▶ Power sharing prevents tripping of shorepower breaker
- ▶ Compact, lightweight, and easy to install
- ▶ Includes remote panel and battery temperature sensor
- ▶ Two year warranty

### Protection Features

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

### Options

- ▶ Available in 12 volt and 24 volt models
- ▶ DC wiring box for residential home installation
- ▶ GFCI-equipped AC wiring box

### Prosine 2.5 Remote Panel (Included)

- ▶ Independent inverter and charger on/off controls
- ▶ LED bar graph display of DC volts and amps
- ▶ LED fault diagnostics

### Prosine 3.0 (ACS) Remote Panel (Included)

- ▶ Independent inverter and charger on/off controls
- ▶ Push button control of power sharing, equalizing, battery set-up
- ▶ Easy to read backlit digital display
- ▶ Single at-a-glance display of AC and DC system information
- ▶ Text message fault diagnostics

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# Prosine 2.5/3.0 Inverter/Chargers



## 2500/3000 Watt True Sine Wave

### Electrical Specifications - Inverter

Models	Prosine 2.5	Prosine 3.0
Output power (continuous)	2500 watts	3000 watts
Surge rating (5 sec.)	4000 watts	4000 watts
Output current (peak)	50 A	50 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 Hz +/-0.05% (crystal controlled)	60 Hz +/-0.05% (crystal controlled)
Output waveform	True sine wave <5% THD	True sine wave <5% THD
Peak efficiency	88%	88%
No load current draw (search mode)	<3 W	<3 W
No load current draw (with inverter on)	<60 W	<60 W
Input DC voltage range (12 V/24 V)	10 – 16 VDC / 20 – 32 VDC	10 – 16 VDC / 20 – 32 VDC

### Electrical Specifications - Charger

Charger rate (12 V/24 V)	100 A/50 A	120 A/60 A
Output voltage (nom. 12 V/24 V - depending on settings)		
▶ Charge	13.8 – 14.8 VDC / 27.6 – 29.6 VDC	13.8 – 14.8 VDC / 27.6 – 29.6 VDC
▶ Float	13.1 – 14.2 VDC / 26.2 – 28.4 VDC	13.1 – 14.2 VDC / 26.2 – 28.4 VDC
▶ Equalize	14.0 – 18.0 VDC / 28.0 – 26.0 VDC	14.0 – 18.0 VDC / 28.0 – 26.0 VDC
Charge control	3 stage with manual equalize	3 stage with manual equalize
Charge temperature compensation	3 settings or sensor	3 settings or optional sensor
Efficiency	>80%	>80%
AC input power factor (charger on)	0.99	0.99
Input AC voltage range	90 – 135 VAC	90 – 135 VAC

### General Specifications

Compatible battery types	Flooded / gel	Flooded / gel
Transfer relay rating	30 A	30 A
Transfer time (AC to inverter and inverter to AC)	20 ms typical	20 ms typical
Storage temperature range	-22°F – 158°F (-30°C – 70°C)	-22°F – 158°F (-30°C – 70°C)
Operating temperature range	32°F – 140°F (0°C – 60°C)	32°F – 140°F (0°C – 60°C)
Dimensions (H x W x D)	5.5 x 15.0 x 20.0" (140 x 381 x 508 mm)	7.0 x 15.0 x 20.0" (178 x 381 x 508 mm)
Weight	32.0 lb (14.5 kg)	32.0 lb (14.5 kg)
Warranty	Two years	Two years
Part numbers	805-3025 (12 V w/standard remote)	805-3030 (12 V w/ACS remote)
	805-3026 (24 V w/standard remote)	805-3031 (24 V w/ACS remote)
	808-3026 (DC wiring box)	808-3026 (DC wiring box)
	808-3027 (GFCI option)	808-3027 (GFCI option)
	808-3025 (ACS remote display - optional)	808-2035 (ACS remote display)

### Regulatory Approvals

CSA/NRTL approved to CSA 107.1, UL 458 and UL 1741, FCC Class A

Note: Specifications subject to change without notice.