

Prosine 2.0 Inverter/Chargers

xantrex



2000 Watt True Sine Wave Inverter/Chargers

Provides 2000 watts of true sine wave AC power from a DC source and 100-amp multistage battery charging

A powerful all-in-one solution, Prosine 2.0 inverter/chargers deliver up to 2000 watts of unsurpassed clean true sine wave output power and combines this with a 100 amp, multistage battery charger. Series stackability allows for two units to power 240 VAC applications such as power tools, over ranges, washer/dryer combinations and air conditioner. The system includes a full function LCD remote control panel and battery temperature sensor.

Product Features

- ▶ 2000-watt inverter (4500-watt surge)
- ▶ 100 A 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
- ▶ Series stackability for 120/240 VAC (requires two units)
- ▶ Power sharing reduces charging current when AC loads are activated to prevent tripping of shorepower breaker
- ▶ Equalization mode conditions batteries for longer life
- ▶ Optional GFCI version available
- ▶ LCD remote control panel and temperature sensor included
- ▶ Compact, lightweight, and easy to install
- ▶ Two year warranty

Remote Control Panel

- ▶ Independent inverter and charger on/off controls
- ▶ Push button control of power sharing, equalizing, battery set-up, and system configuration
- ▶ Easy to read backlit digital text messaging display
- ▶ Numerically displays AC and DC system information including volts, amps and state of inverter/charger
- ▶ Monitors battery temperature and adjusts charger to provide an accurate charge in any climate

Protection Features

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

Options

- ▶ GFCI version



CSA/NRTL certified to UL & CSA standards

Xantrex Technology Inc.

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

5916 195th Street NE
Arlington, Washington
USA 98223
800 446 6180 Toll Free
360 925 5143 Fax

www.xantrex.com

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Electrical Specifications - Inverter

Output power continuous	2000 watts
Surge rating (5 sec.)	4.5 kW
Output current	17 A RMS continuous, 50 A peak
Output voltage	117 VAC RMS
Output frequency	60 Hz +/-0.05% (crystal controlled)
Output waveform	True sine wave <2% THD typical
Efficiency (full load)	87%
Peak efficiency	89%
No load power draw (inverting)	<25 W
No load power draw (search mode, 3 s interval)	<2 W
Input DC voltage range	10 – 16 VDC

Electrical Specifications - Charger

Output current	100 A DC continuous
Output voltage	12 VDC nominal
Output voltage range	0 – 17.5 V
Charge control	3 stage with manual equalize
Charge temperature compensation	Remote battery sensor
Efficiency	81% typical
AC input power factor	0.99
Input current (for 100 A charging)	15 A RMS nominal
Input AC voltage	120 VAC nominal
Input AC voltage range	90 – 135 VAC

General Specifications

Compatible battery types	Flooded / gel / AGM / Pb-Ca
Transfer relay rating	30 A, 1.5 HP, 120 VAC
Transfer time (AC to inverter and inverter to AC)	16 ms typical
Storage ambient temperature range	-40°F – 158°F (40°C – 70°C)
Optimal operating temperature range	32°F – 104°F (0°C – 40°C)
Operating ambient temperature range	-4°F – 140°F (-20°C – 60°C - derated above 40°C)
Dimensions (HxWxD)	17.7 x 11.2 x 5.7" (450 x 285 x 145 mm)
Weight	24.0 lb (11 kg)
Warranty	2 years
Part numbers	805-2000 (Hardwire) 805-2020 (Hardwire & GFCI) 808-2000 (DC wiring box)

Regulatory Approvals

CSA/NRTL certified to CSA 107.1, UL 458 (including Marine supplement)
KKK-A-1822D compliant, for use in "Star-of-Life" ambulances (GFCI version)
ABCY compliant, recommended practices E-8, E-9, A-20, and A-25 for marine use

Note: Specifications subject to change without notice.