

# PROsine 2.0

## INVERTER/CHARGER

**xantrex™**  
Smart choice for power™

## Heavy duty, true sine wave inverters!

Available in:

12 V

24 V



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 included (24-month warranty)

- » 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
- » Approved to the UL 458 regulatory standard

### Applications:



Recreational vehicles



Marine



Heavy duty trucks



Work vehicles



Buses / coaches



Specialty vehicles



CSA/NRTL certified to UL and CSA standards



### Schneider Electric Solar Business

3700 Gilmore Way  
Burnaby, British Columbia  
Canada V5A 4B5  
800 670 0707 Toll Free  
604 420 1591 Fax

541 Roske Drive, Suite A  
Elkhart, Indiana  
USA 46516  
800 446 6180 Toll Free  
574 294 5989 Fax

[www.xantrex.com](http://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 number	805-200 (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.