

# FREEDOM Xi SINE WAVE INVERTER



True sine wave 120 Vac inverter with built-in transfer switch. Designed for recreational and commercial applications.



Available in:

1000 W

2000 W

The new generation Freedom Xi is equipped with quick-connect AC terminals, ignition control capability and programmable smart battery management logic. The quick-connect AC terminal on both AC input and output enables incredibly easy installation. The ignition control feature minimizes unintended battery drain. The new Freedom Xi is designed for cold harsh winter environment with temperature performance down to -20°C.

The Freedom Xi Inverter features true sine wave output and is designed to operate sensitive electronics like entertainment systems and appliances in boats, RV's and commercial trucks. The Freedom Xi is available in two models: 1000 watts and a 2000 watts.

### Product Features

- » 1000 / 2000 watts continuous AC power
- » 2X continuous power surge for demanding loads
- » Cold temperature performance down to - 20°C for the harsh winter environments
- » Quality, reliability and safety that meets stringent CSA and UL458 with marine supplement standard
- » Configurable Ignition control that helps to minimize battery drain



Quick connect AC terminal block for fast and reliable installation.



Detachable remote panel for convenient system status monitoring

### Protection Features

- » Programmable Smart Battery Management logic to facilitate extended battery use & life.
- » Overload, over temperature, under/over voltage protection

### Applications:



Recreational vehicles



Marine



Heavy duty trucks



Work vehicles



Buses / coaches



Specialty vehicles



ETL listed to CSA Standard C22.2 No. 107.1 and UL 458\* with Marine supplement

\*For marine supplement compliance drip shield in specific mounting orientation is required. See installation guide



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# FREEDOM Xi SINE WAVE

## INVERTER

**xantrex**<sup>TM</sup>  
Smart choice for power<sup>TM</sup>

Electrical specifications – inverter	XI 1000	XI 2000
Output power (continuous)	1000 W	2000 W
Surge rating	2000 W	4000 W
Output current (continuous)	8.3 A	16.9 A
Output voltage range	110 - 125 Vac	110 - 125 Vac
Output frequency regulation	60 Hz	60 Hz
Output wave form	True sine wave	True sine wave
Efficiency (full load)	≥ 82%	≥ 82%
Peak efficiency	≥ 87%	≥ 87%
No-load input power (producing output voltage)	≤ 10 W	≤ 10 W
Off mode current draw (display off)	< 4 mA	< 4 mA
AC input operating voltage range	95 – 130 Vac	95 – 130 Vac
AC transfer relay	30 A	30 A
Input operating voltage range	10.5 - 16.5 Vdc	10.5 - 16.5 Vdc
Transfer time	< 40 ms	< 40 ms
Battery voltage (nominal)	12 Vdc	12 Vdc
Low battery cut-out (low / mid / high limit)	10.5 / 11.8 / 12.1 Vdc	10.5 / 11.8 / 12.1 Vdc
AC receptables	15 A GFCI	20 A GFCI

### General specifications

Operating temperature range	-4°F - 122°F (-20°C - 50°C)	-4°F - 122°F (-20°C - 50°C)
Storage temperature range	-40°F - 158°F (-40°C - 70°C)	-40°F - 158°F (-40°C - 70°C)
Optional remotes	Detachable display	Detachable display
Unit weight	11 lb (5.0 kg)	14.4 lb (6.5 kg)
Shipping weight	15.1 lb (6.8 kg)	16.2 (7.3 kg)
Shipping weight*	31.9 lbs (14.5 kg)	34.1 lbs (15.5 kg)
Unit dimensions (H x W x L)	4.7 x 9.4 x 19.2" (120 x 240 x 487 mm)	4.7 x 9.4 x 19.2" (120 x 240 x 487 mm)
Warranty	Two year	Two year
Part number	807-1000	807-2000

### Regulatory and environmental compliance

ETL listed to CSA Standard C22.2 No. 107.1, UL458 with marine supplement\*\*

Specifications are subject to change without notice. \*Qty: 2pcs inside brown mastercarton. \*\*When used with drip shield, part #808-1050.