

FREEDOM X 24V SINE WAVE INVERTER

xantrex™
Smart choice for power™

Robust. Durable. Flexible.

Available in 2000W



The Freedom X inverter offers premium performance in a lightweight and compact package. It cranks out full output from -4°F (-20°C) - 104°F (40°C) for operation in all climate temperatures. The extended surge rating of the Freedom X makes it ideal to start difficult loads including a fridge and microwave. The quick connect terminals at AC IN/OUT make installation a breeze.



Easy access AC & DC wiring compartment for quick installation



Hardwire or plug directly into the optional 20A GFCI receptacle



View AC & battery current, % status bar for inverter output on the onboard display

Product Features

- » **Extended Surge Rating**
Surges to 2X continuous power for 2 seconds for motor loads
- » **True Sine Wave AC Power**
For operation of sensitive and motor loads
- » **Ignition Control**
Feature to turn inverter on/off via a 24 VDC signal and to minimize battery drain by switching the inverter off when the ignition key is turned off
- » **Wide 20-32 VDC Input Range**
Ensures inverter operation on high voltage alternators found on many new vehicle chassis
- » **Built-in 30A AC Transfer Relay**
Senses when outside AC Power is present and transfers the load from the inverter to the source of incoming power (shore or generator).
- » **Quick Installation**
Huge wiring bay for easy access and quick connect AC in/out terminals for fast & easy wiring

Applications:



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



Xantrex LLC

3700 Gilmore Way
Burnaby, British Columbia
Canada V5G 4M1
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

FREEDOM X 24V SINE WAVE INVERTER



Electrical Specifications	FREEDOM X 2000 24V
AC Output Operating Voltage Options	120, 110, 108 VAC
Continuous Output Power	Continuous Power 2000 W @40°C True sine wave
Continuous AC Output Current	16.7 A
Surge Power	4000 W (> 2 sec)
Frequency (Configurable)	60 (or 50) Hz
Peak Efficiency	91%
Full load Efficiency	> 86%
Operating Input AC Pass-Through Voltage Range	85-140 VAC
Safe Non-Operating Input AC Voltage Range	Up to 240 VAC RMS

General Specifications	
Operating Temperature Range	-4 to 140 °F (-20 to 60 °C), with output derated above 104 °F (40 °C)
Storage Temperature Range	-40 to 158 °F (-40 to 70 °C)
Operating Humidity Range	5 to 95% RH, non-condensing
Transfer Relay AC Current Rating	30A, 24 A continuous
DC Input Operating voltage range	20.0 - 31.0 Vdc
DC Input Max Non-Operating Voltage	50.4 Vdc
DC Input Nominal Voltage (Inverting)	24.0 Vdc
DC Nominal Current at Full Load	86 ADC
Part Number	817-2000-21
L x W x H (Without Mount Flanges)	14.6" (370mm) x 10.8" (275mm) x 3.9" (100mm)
L x W x H (With Mount Flanges)	14.6" (370mm) x 12.0" (305mm) x 3.9" (100mm)
Net Weight (Including GFCI, sold separately)	15.9lbs (7.2kgs)

Accessories	
Remote Panel (with 25' Cable)	808-0817-01
GFCI Option	808-9817
Remote Panel Cable	31-6257-00 (25 ft) 31-6262-00 (50 ft)
Drip Shield (for marine use)	808-1050

Regulatory Approvals	
Safety	ETL listed to CSA 107.1 UL458 and UL458 Marine Supplement (drip shield with product number 808-1050 required) ABYC E-11, A-31, A-32
EMC	CFR 47, FCC, PART 15, Subpart B, Class B and CAN ICES-3 (B) / NMB-3 (B)

Actual product may differ slightly in appearance to images shown. Specifications subject to change.