

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



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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.