FREEDOM X SINE WAVE
INVERTER

xantrex™
Smart choice for power™

Robust. Durable. Flexible.



Available in:

1000W **2000W** **3000W**

The Freedom X inverter offers premium performance in a lightweight compact package. It cranks out **full output from -4°F - 104°F** for operation in all climate temperatures. The extended surge rating of the Freedom X makes it ideal to start difficult loads including 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 12 VDC signal and to minimize battery drain by switching the inverter off when the ignition key is turned off
- **Wide 10-18 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). The unit also automatically switches from invert mode to charge mode
- **Quick Installation**
  Huge wiring bay for easy access and quick connect AC in/out terminals for fast & easy wiring

Applications:

Recreational Vehicles
Heavy Duty Trucks
Work Vehicles
Specialty Vehicles
Marine

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

Highly Accelerated HALT Life Tested
2 YEAR LIMITED WARRANTY

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Electrical Specifications	FREEDOM X1000	FREEDOM X2000	FREEDOM X3000
Operating Voltage Options	120, 110, 108 VAC	120,110, 108 VAC	120,110, 108 VAC
Continuous Power	Continuous Power 1000 W @40°C True sine wave	Continuous Power 2000 W @40°C True sine wave	Continuous Power 3000 W @40°C True sine wave
Continuous Current	8.4 A	16.7 A	25A
Surge Power	2000 W	4000 W	6000W
Frequency	60 (or 50) Hz	60 (or 50) Hz	60 (or 50) Hz
Peak Efficiency	91%	91%	91%
Full load Efficiency	≥ 87%	≥ 87.5%	≥ 85%
Operating Voltage Range	85-140 VAC	85-140 VAC	85-140 VAC
Safe Non-Operating Voltage Range	Up to 240 VAC	Up to 240 VAC	Up to 240 VAC

General Specifications			
Operating Temperature Range	-4 to 140 °F (-20 to 60 °C), with output derated above 104 °F (40 °C)	-4 to 140 °F (-20 to 60 °C), with output derated above 104 °F (40 °C)	-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)	-40 to 158 °F (-40 to 70 °C)	-40 to 158 °F (-40 to 70 °C)
Humidity	5 to 95% RH, non-condensing	5 to 95% RH, non-condensing	5 to 95% RH, non-condensing
Transfer Relay Rating	30A	30A	30A
Operating voltage range	LBCO voltage - 18.0 VDC	LBCO voltage - 18.0 VDC	LBCO voltage - 18.0 VDC
Maximum Non-Operating Voltage	24.0 VDC	24.0 VDC	24.0 VDC
Nominal Voltage (Inverting and Charging)	12.0 VDC	12.0 VDC	12.0 VDC
Nominal Current at Full Load	100 ADC	192 ADC	288 ADC
Part Number	817-1000	817-2000	817-3000
L x W x H	13.4"(340mm) x 9.1"(232mm) x 3.7"(95mm)	14.6"(370mm) x 10.8"(275mm) x 3.9"(100mm)	15.4"(390mm) x 10.8"(275mm) x 4.0"(102mm)
Net Weight	11.5 lbs (5.2kgs)	14.7 lbs (6.7kgs)	16.5 lbs (7.5kgs)

Accessories			
Remote Panel (with 25' Cable)	808-0817-01	808-0817-01	808-0817-01
GFCI Option	808-9817	808-9817	808-9817
Remote Panel Cable	31-6257-00 (25 ft)	31-6257-00 (25 ft)	31-6257-00 (25 ft)
	31-6262-00 (50 ft)	31-6262-00 (50 ft)	31-6262-00 (50 ft)

Regulatory Approvals	
EMC and Safety	ETL listed to CSA 107.1, UL458 and UL458 Marine Supplement (drip shield with product number 808-1050 required) ABYC E11, A20, A25, A31

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

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