

FREEDOM XC 2000 230V INVERTER / CHARGER



Freedom XC 2000 230V, 2000W, 80A

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

Features:

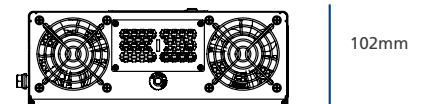
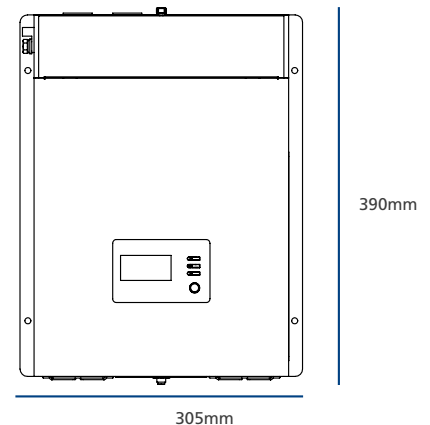
- Exceptional full rated performance in all climate temperatures
- Ability to charge dead batteries down to 0V
- Designed to charge lithium ion batteries
- View, control and configure via Bluetooth app on iOS and Android

Inverter:

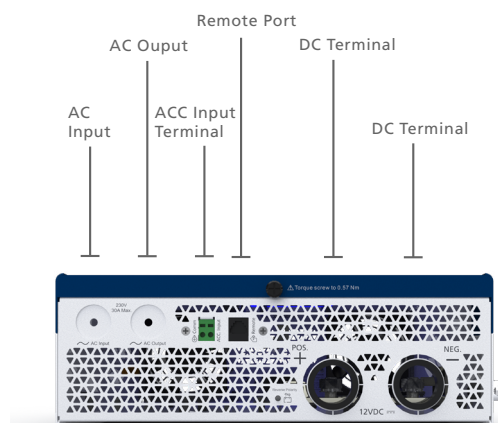
- **Extended Surge Rating:** Surges to 2X continuous power for at least 2 seconds for motor loads
- **True Sine Wave AC Power:** For operation of sensitive and motor loads
- **Ignition Control:** Feature to turn inverter on/off via a 12 VDC signal and to minimize battery drain by switching the inverter off when the ignition key is turned off
- **Wide 10-17 VDC Input Range:** Ensures inverter operation on high voltage alternators found on many new vehicle chassis
- **Programmable AC Under-Voltage (170-220V) Shutdown:** Feature ideal to operate under weak shore power or generator input
- **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

Built-in charger:

- **Power Factor Corrected Multi-Stage Charging:** Utilizes less shorepower when charging batteries. This frees up more usable AC power for running electrical devices and appliances and reduces the likelihood of tripping shorepower breakers
- **Programmable:** Configurable 3 stage temperature compensated battery charge algorithm for optimal charging of almost any battery type up to 17V
- **Battery Equalization:** Maximizes flooded battery life
- **Dead Battery Charging Down to 0 Vdc**
- **Power Share:** Prioritizes AC loads by reducing the charge current and maintaining the total input current to less than the breaker setting
- **Lithium-Ion Battery:** Easily configurable settings to charge any lithium ion battery



TOP VIEW



SIDE VIEW



SIDE VIEW

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Electrical Specifications (INVERTER):

- AC Output Operating Voltage Options: 220/230/240V
- Continuous Output Power: Continuous Power 2000 W @40°C True sine wave (TSW)
- Continuous AC Output Current: 8.7 A
- Surge Power: 4000 W (> 2 sec)
- Frequency (Configurable): 50 or 60 Hz
- DC Nominal Current at Full Load: 192 Adc
- Peak Efficiency: 93%
- Full Load Efficiency: > 90%

Electrical Specifications (BATTERY CHARGER):

- Min Battery Voltage for Charging: 0.0 Vdc
- Max DC Output Voltage: 17.0 Vdc (custom battery type)
- Selectable DC Output Current: User Selectable: 5 - 80 A
- Full Load Max AC Input Current (Charging): 5.6 A
- Operating Input AC Pass-Through Voltage Range: 170-280V
- Safe Non-Operating Input AC Voltage Range: Up to 300V
- Power Factor at Full Charge Rate: > 98%

Technical Specifications:

- Operating Temperature Range: -20 to 60 °C, with output derated above 40 °C
- Storage Temperature Range: -40 to 70 °C
- Operating Humidity Range: 5 to 95% RH, non-condensing
- Transfer Relay AC Current Rating: 30 A , 24 A continuous
- DC Input Operating voltage range: 10.0 - 17.0 VDC
- DC Input Max Non-Operating Voltage: 25.2 Vdc
- DC Input/Output Nominal Voltage (inverting/Charging): 12.0 Vdc
- Part Number: 817-2080-12
- L x W x H (without flanges): 390 mm x 275 mm x 102 mm
- L x W x H (with flanges): 390 mm x 305 mm x 102 mm
- Net Weight: 7.5 kgs

Accessory:

Freedom X/ XC remote panel with 25' Cable: part number 808-0817-01



FREEDOM X BLUETOOTH REMOTE PANEL + FXC CONTROL MOBILE APP



FREEDOM X BLUETOOTH REMOTE PANEL
(808-0817-02)



- Easily monitor system status
- Monitor alerts
- Change settings conveniently
- Connect via bluetooth
- Available on Android and iOS



DOWNLOAD ON



CONNECT WITH Bluetooth