

POWER SOLUTIONS GUIDE

RVs
BOATS
HD TRUCKS
WORK TRUCKS
MILITARY/EMERGENCY
MOTOR COACH/BUS
SPECIALTY VEHICLES

INVERTERS
INVERTER/CHARGERS
BATTERY CHARGERS
SOLAR
LITHIUM-ION BATTERIES
BACKUP POWER

SMART
CHOICE
FOR
POWERTM

TRUE SINE WAVE INVERTERS



PROwatt SW

- Economical true sine wave solution
- Dual GFCI AC receptacles and USB charge port
- 120 Vac / 60 Hz & 230 Vac / 50 Hz models available

- Hardwire capability and shore power pass through via optional transfer relay
- Meets UL458 with marine supplement and CSA

Optional Accessories: Remote On/Off Switch (808-9001), 15 A Transfer Relay (808-0915), 50' Network Cable (31-6262-00)



PROsine

- The original true sine wave inverter
- Built-in AC transfer relay, detachable remote panel
- High surge for extended period of time

- Meets UL458 with marine supplement, CSA, ABYC & KKK-A-1822
- LCD remote panel and temp sensor included

Optional Accessory: Remote Interface Panel (808-1800)

Included Accessory: Remote LCD Panel (808-1802)



FREEDOM X

- Full output from -4°F to 104°F. Operates up to 140°F
- Extended surge, 10 ms UPS like AC transfer time
- Configurable low battery voltage shutdown
- Meets UL458 with marine supplement, ABYC, CSA and FCC Part 15 Class B

- Huge wiring bay and quick connect terminals for fast and easy installation
- Ignition lockout to minimize battery drain
- Built-in 30 A Automatic Transfer Switch
- NEW 24VDC 2000W model now available

Optional Accessories: Remote Panel with 25' Cable (808-0817-01), 20 A GFCI Option (808-9817), Communication Cable 25' (31-6257-00), Communication Cable 50' (31-6262-00)



PROwatt SW 15 A Transfer Relay
(808-0915)

PROsine Remote Interface Panel
(808-1800)

FREEDOM X Bluetooth Remote Panel
(808-0817-02)

Models	Part Number	Input Voltage	Continuous Power	Surge Rating	AC Output	Transfer Relay	Remote Panel
PROwatt SW 600	806-1206	12 Vdc	540 W	1200 W	GFCI / hardwire via optional transfer relay	Optional	Optional (On/Off)
PROwatt SW 1000	806-1210		900 W	2000 W			
PROwatt SW 2000	806-1220		1800 W	3000 W			
PROsine 1000	806-1000		1000 W	1500 W*			
PROsine 1800	806-1800	24 Vdc	1800 W	2900 W*	GFCI	No	Included (Digital)
	806-1802				Hardwire w/ transfer relay	Yes	
	806-1850				GFCI	No	
	806-1851				Hardwire		
FREEDOM X 1000	817-1000	12 Vdc	1000 W	2000 W**	Hardware/Optional GFCI	Yes	Optional (Digital)
FREEDOM X 1200 <i>OEM MODEL</i>	806-1212		1200 W	2400 W**			
FREEDOM X 2000	817-2000		2000 W	4000 W**			
FREEDOM X 3000	817-3000		3000 W	6000 W**			
FREEDOM X 2000	817-2000-21	24VDC	2000W	4000W**			

*Extended surge of 5 seconds **Extended surge of 2 seconds

INVERTERS



PRO SERIES XM

- Full featured MSW with built-in transfer relay
- Plug electronics directly on the unit or hardwire
- Detachable remote panel
- Meets UL458 and FCC Class B standards

Optional Accessories: XM 25' Remote Cable Assembly (806-1010-25), XM 1000 Remote Control Panel (808-7122), XM 1800 Remote Control Panel (808-7134)



XPower

- Entry level MSW , simplest to use and install
- Remote on/off switch included
- Meets UL458 and CSA standards

Included Accessories: Remote Panel ACS XP1200+/XP1750+ (808-9500)

Models	Part Number	Input Voltage	Continuous Power	Surge Rating	AC Output	Transfer Relay	Remote Panel	
PRO Series XM 1000	806-1010	12 V	1000 W	2000 W	Hardwire/GFCI	Yes	Included (Digital)	
PRO Series XM 1800	806-1810		1800 W	3600 W				
XPower Digital 400	813-0400-01		320 W	640 W	AC Outlet	No	No	
XPower 450	851-0451		360 W	700 W	GFCI			
XPower 1000	813-1000-UL		1000 W	2000 W			GFCI	Included (On/Off)
XPower 1500	813-1500-UL		1500 W	3000 W				
XPower 3000	813-3000-UL		2500 W	5000 W	Hardwire/GFCI			
XPower 5000	813-5000-UL		4000 W	10000 W				

BATTERY CHARGERS



TRUECHARGE™2

- Lightweight, ultra-compact, universal chargers
- Settings for flooded, gel, AGM or lead-calcium batteries, as well as custom profile for different battery types
- Drip-proof design characteristics enable the charger to be mounted in multiple orientations
- Meets CE/EMC, ABYC, UL1564 and UL1236 with marine supplement standards

12 Vdc Applications

10 A 20 A 40 A 60 A 80 A 100 A 120 A

24 Vdc Applications

10 A 20 A 30 A 40 A 50 A 60 A

NOTE: 12V (80 A, 100 A, 120 A) and 24 Vdc (40 A, 50 A, 60 A) achieved through stacking.
 * Doesn't apply to TRUECHARGE2 12 Vdc / 10 A charger.

Models	Part Number	Output Voltage	Power Output	Battery Banks	Remote Panel	Parallel Stacking
TRUECHARGE 10	804-0100	12 Vdc	10 A	One	No	No
TRUECHARGE2 10	804-1210			Two		
TRUECHARGE2 20	804-1220-02		20 A	Three	Optional	Yes
TRUECHARGE2 40	804-1240-02		40 A			
TRUECHARGE2 60	804-1260-02		60 A			
TRUECHARGE2 10	804-2410	24 Vdc	10 A	Three	Optional	Yes
TRUECHARGE2 20	804-2420		20 A			
TRUECHARGE2 30	804-2430		30 A			

Decription	Part Number	Product Compatibility
TRUECHARGE2 Remote Panel	808-8040-01	TRUECHARGE2 (part # 804-1220-02, 804-1240-02, 804-1260-02, 804-2410, 804-2420, 804-2430)
Battery Temperature Sensor	808-0232-01	TRUECHARGE2 (all applicable models)

TRUECharge2 Remote Panel allows you to monitor and control battery charger performance from a remote location, including features not accessible from the charger's onboard display & enables the parallel stacking feature of the TRUECharge2 Battery Chargers

BATTERY CHARGERS



XPLORE 120/12

ALL CHARGING NEEDS IN ONE CHARGER

The XPLORE 120/12 battery charger is the largest and most powerful charger in the market today. The universal, auto-ranging AC input and 120 amps of output current ensures ultra-fast and reliable worldwide charging. With up to six output banks of simultaneous charging combined with the ability to charge two battery banks with differing chemistries, the XPLORE 120/12 eliminates the need to have separate single-chemistry chargers and minimizes installation and wiring costs for your house bank and engine bank.

It is also equipped with an easy-to-read front panel LED display for basic configuration and status information. Advanced monitoring and configuration is enabled by NMEA 2000 protocol or Xantrex app using the Xantrex BLE module.

FEATURES

-  Six Battery Bank Charging
-  Dual Battery Chemistry Charging
-  Designed to Charge Lithium Batteries
-  Ability to charge dead batteries down to 0V
-  NMEA 2000 Monitoring and Configuration
-  Xantrex App Monitoring and Configuration

ELECTRICAL SPECIFICATIONS

	XPLORE 120/12
Max Total BAT1-6 DC Output Current	120A
Max Total BAT1-2 DC Output Current	10 to 120A (selectable)
Max Total BAT3-6 DC Output Current	10 to 40A (selectable)
DC Output Voltage	12Vdc (nominal)
DC Output Connections	6
AC Input Voltage (Auto Ranging)	120Vac / 230Vac (nominal), 80 to 275Vac 60Hz / 50Hz (nominal), 45 to 65Hz
AC Input Current	19.6Aac (maximum)
Power Factor at Full Charge Rate	> 98%
Charging Modes	3-Stage, 2-Stage, Constant Voltage
Supported Battery Types	AGM, FLD, GEL, Xantrex LFP, Custom
Equalization (FLD Battery Only)	Yes



Models	Part Number	Output Voltage	Power Output	Battery Banks	Remote Panel	Parallel Stacking
XPLORE 120/12	819-0120-12	12 Vdc	120 A	6	Bluetooth App, NMEA 2000 Connector	Yes

INVERTER COMPARISON

SMART
CHOICE
FOR
POWER™

XPOWER
INVERTER



PROWATT
INVERTER



FREEDOM X
INVERTER



Output Wave Form	Modified sine wave	True sine wave	True sine wave
Operating Temperature Range	32 to 104 °F (0 to 40 °C)	32 to 104 °F (0 to 40 °C)	-4 to 140 °F (-20 to 60 °C)
Input Voltage (DC)	12V	12V	12V & 24V models available
Models (Design - Compact, lightweight for all 3 product families)	12V (1000W, 1500W, 3000W, 5000W)	12V (600W, 1000W, 2000W)	12V (1000W, 2000W, 3000W); 24V (2000W)
Surge* - 2X continuous power boost	More than 300 ms	More than 300 ms	More than 2 seconds
Hardwire	Yes – 3000W & 5000W	Yes, through optional transfer relay (808-0915)	Yes
Built-in transfer relay	No	No, optional accessory (808-0915)	Yes
12v Ignition On/Off	No	Yes, optional accessory (808-9001-01)	Yes
Remote Panel	Yes included	Yes included	Yes – optional accessory (808-0817-02)
Built-in USB	No	Yes, 5Vdc, 500mA	No
Bluetooth Function	No	No	Yes, through optional bluetooth remote panel (808-0817-02)
GFCI on the unit	Yes	Yes	No – optional accessory (808-9817)
UL458/CSA listed	Yes	Yes	Yes
HALT tested	Yes	Yes	Yes

* duration of initial high current rush required for certain applications such as motor loads

120 VAC / 60 HZ INVERTER SELECTOR GUIDE

TSW - True Sine Wave
MSW - Modified Sine Wave

TSW					
PROwatt SW 600	PROwatt SW 1000	PROwatt SW 2000	FREEDOM X 1000	FREEDOM X 2000	FREEDOM X 3000
806-1206	806-1210	806-1220	817-1000	817-2000	817-3000

INVERTER/CHARGERS									
MSW				TSW					
FREEDOM HF 1000 / 1055	FREEDOM HF 1800	FREEDOM 458-20	FREEDOM 458-25	FREEDOM XC 1000	FREEDOM XC 2000	FREEDOM SW 2012	FREEDOM SW 3012	FREEDOM XC PRO 2000	FREEDOM XC PRO 3000
806-1020 / 806-1055	806-1840	81-2010-12 / 81-2022-12	81-2530-12	817-1050	817-2080	815-2012	815-3012	818-2010	818-3010

ELECTRONICS

Laptop Computer (100 w)	●	●	●	●	●	●
Video Game Console (150 w)	●	●	●	●	●	●
LED TV (200 w)	●	●	●	●	●	●
CPAP (250 w)	●	●	●	●	●	●
Stereo Receiver (450 w)	●	●	●	●	●	●

APPLIANCES

Blender (500 w)		●	●	●	●	●
Toaster (850 w)			●	●	●	●
Refrigerator (900 w)			●		●	●
Vacuum (1000 w)			●		●	●
Microwave (1000 w)			●		●	●
Kettle (1200 w)			●		●	●
Iron (1200 w)			●		●	●
Coffee Maker (1200 w)			●		●	●
Induction Cooktop (1400 w)			●		●	●
Hair Dryer (1500 w)			●		●	●
Rooftop Air conditioner (15000 BTU)						

TOOLS

1" Handheld Drill (1000 w)			●		●	●
9" Disc Sander (1200 w)			●		●	●
8¼" Circular Saw (1400 w)			●		●	●
110 V Air Compressor (1800 w)					●	●

FEATURES

Continuous Power (Watts)	540	900	1800	1000	2000	3000
Charging Output (Amps)						
Transfer Switch	^	^	^	●	●	●
Remote Panel	^	^	^	^	^	^
Hardwire Option	^^	^^	^^	●	●	●
GFCI AC Receptable	●	●	●	^	^	^
USB Port	●	●	●			

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1000	1800	2000	2500	1000	2000	2000	3000	2000	3000
20/55	40	100	130	50	80	100	150	100	150
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- ^ Optional accessory
- ^^ Achieved by adding the optional Transfer Switch (808-0915)
- * Various models available. Consult your store rep for details

TRUE SINE WAVE INVERTER/CHARGERS

HYBRID,
LITHIUM ION
COMPATIBLE



FREEDOM SW

- State-of-the-art sine wave series with advanced features
- Ideal upgrade for Magnum, RS, MS, Trace SW and other older make/models
- Built-in hybrid functionality - combines shore and AC generator input to power loads
- Exceptional surge for extended time – will operate motor loads, compressors, hot plates, sump pumps & other heavy loads within its power range
- Meets UL458 with marine supplement, CSA, ABYC and FCC Class B

Optional Accessories: System Control Panel (809-0921), Automatic Generator Start (809-0915), GFCI Option (808-9003), Remote Panel (808-9002), 75' Network Cable (809-0942), 25' Network Cable (809-0940), Cable for Series Stacking (808-9005), Sequence Power Manager (809-0913), Conext ComBox for FREEDOM SW (809-0918), Network Cable Adapter (808-9010), FREEDOM SW Remote Panel Mounting Bracket (XAN-BRFSW)

LITHIUM ION
COMPATIBLE



FREEDOM XC

- Full output in invert or charge mode from -4°F to 104°F. Operates up to 140°F
- Ability to operate under weak shore or generator power
- Extended surge, power share, equalization, power factor correction
- Meets UL458 with marine supplement, ABYC, CSA and FCC Part 15 Class B
- Dead battery charging down to 0 Vdc
- Configurable low battery voltage shutdown
- Built-in 30 A Automatic Transfer Switch
- Configurable charge algorithm
- 10 ms UPS like AC transfer time

Optional Accessories: Remote Panel with 25' Cable (808-0817-01), 20 A GFCI Option (808-9817), Communication Cable 25' (31-6257-00), Communication Cable 50' (31-6262-00)

LITHIUM ION
COMPATIBLE

INTEGRATED
COM-CARD



FREEDOM XC PRO

- Offers all great features of the FREEDOM XC but with a bigger charger and built-in com-card
- The advanced com-card supports RV-C & J1939 protocols for seamless integration with 3rd party monitoring and control systems
- 3000W model has a built-in 50A transfer relay and 150A battery charger

LITHIUM ION
COMPATIBLE

BUILT-IN
NMEA 2000
CONNECTION



FREEDOM XC PRO MARINE

- Offers all great features of the FREEDOM XC but with a bigger charger and built-in com-card
- Built-in NMEA2000 communication protocol for integration with NMEA2000 compliant devices
- 3000W model has a built-in 50A transfer relay and 150A battery charger

Models	Part Number	Input Voltage	Continuous Power	Surge Rating	AC Output	Charger Output	Remote Panel
FREEDOM SW 2012	815-2012	12 Vdc	2000 W	4000 W*	Hardwire and optional GFCI	100 A	Optional (On/Off, Advanced)
FREEDOM SW 3012	815-3012		3000 W	6000 W*		150 A	
FREEDOM SW 2024	815-2024	24 Vdc	2000 W	4000 W*		50 A	
FREEDOM SW 3024	815-3024		3000 W	6000 W*		75 A	
FREEDOM XC 1000	817-1050	12 Vdc	1000 W	2000 W**		50 A	Optional Accessory (Digital)
FREEDOM XC 2000	817-2080		2000 W	4000 W**		80 A	
FREEDOM XC PRO 2000	818-2010	12 Vdc	2000 W	4000 W**		100A	Optional Accessory (Digital)
FREEDOM XC PRO 3000	818-3010	12 Vdc	3000 W	6000 W**		150A	
FREEDOM XC PRO Marine 2000	818-2015	12 Vdc	2000 W	4000 W**		100A	Optional Accessory (Digital)
FREEDOM XC PRO Marine 3000	818-3015	12 Vdc	3000 W	6000 W**		150A	

*Extended surge of 5 seconds **Extended surge of 2 seconds

INVERTER/CHARGERS



FREEDOM HF

- Economical, compact and lightweight
- Quick connect AC terminal block on both AC input and output for easy wiring & fast installation
- Detachable digital remote
- Ignition lockout helps to minimize battery drain by disabling the inverter when the ignition is turned off
- Meets UL458 with marine supplement, CSA and FCC Class B

Included Accessories: FREEDOM HF 1800 Remote Control Panel (No Cable) (808-1840), 25' Remote Cable (31-6257-00)



FREEDOM 458

- The original best selling inverter/charger for RVs and boats
- Exceptional surge for demanding loads
- Battery temperature sensor included
- Meets UL458 regulatory standards

Optional Accessories: FREEDOM Basic Remote (84-2056-01), 12 Vdc Ignition Lockout Switch (82-0122-12)

Models	Part Number	Input Voltage	Continuous Power	Surge Rating	AC Output	Charger Output	Remote Panel
FREEDOM HF 1000	806-1020	12 Vdc	1000 W	2000 W	Hardwire/GFCI	20 A	Included (Digital)
FREEDOM HF 1055	806-1055					55 A	
FREEDOM HF 1800	806-1840					40 A	
FREEDOM 458 20	81-2010-12		2000 W	6000 W	Hardwire (single out)	100 A	Optional (LED)
FREEDOM 458 20	81-2022-12				Hardwire (dual out)		
FREEDOM 458 25	81-2530-12						

FREEDOM X/XC/XC PRO ACCESSORIES

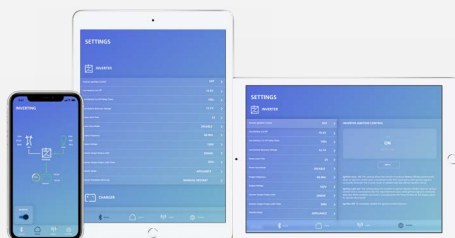


Bluetooth Remote Panel with 25' Cable (808-0817-02)

Enables you to control & monitor the inverter from a convenient location and read important information such as AC IN/OUT voltage/current, battery voltage/current, percentage status bar for inverter AC output and fault & error codes. Download and connect to the Xantrex app, available on Android and iOS.

FREEDOM X Remote Panel with 25' Cable (808-0817-01) also available allowing for all the same functionality, but without the option to connect via bluetooth.

FXC CONTROL APP



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



20A GFCI Option (808-9817)

- Attach to the back of your Freedom X or XC to enable you to plug electronics and appliances directly on the unit

INVERTER/CHARGER/CONVERTER



FREEDOM EX 4000

A power inverter, Lithium-Ion-ready battery charger, 12 Vdc converter power supply, and 50 A transfer relay in one.

The FREEDOM EX 4000 is a truly unique, true sine wave power solution packing a powerful 48 Vdc, 4000 W (8000 W [5s]) inverter, 80 A 48 Vdc battery charger, 50 A transfer relay and a 48 Vdc to 12 Vdc, 45 A converter inside one box. Designed for mobile applications that utilize 48VDC battery systems, the FREEDOM EX 4000 is designed to work as a standalone AC and DC power solution or supplement an existing generator to create a hybrid system.

The FREEDOM EX 4000 features the most widely used communication protocols – RV-C (RV), J1939 (Truck) and NMEA 2000 (Marine) enabling it to be used in virtually any application that requires integration with third party MFPs and software.

FEATURES

-  DC-AC voltage converter - 48 Vdc to 12 Vdc output
-  Highly configurable charger specifically designed for lithium-ion batteries
-  Built-in 50 A Transfer Relay
-  Extended surge rating
-  48 to 12 Vdc voltage converter output
-  Ignition control

ELECTRICAL SPECIFICATIONS - INVERTER

AC Output Operating Voltage Options	105–130 Vac
Continuous Output Power	Continuous Power 4000 W @40°C True sine wave (TSW) at 120 Vac
Continuous AC Output Current	33 A
Surge Power	8000 W (5 sec)
Frequency	60 Hz

ELECTRICAL SPECIFICATIONS - BATTERY CHARGER/PASSTHROUGH

CHARGER MODE:

Nominal DC Output Voltage	48 Vdc
Charger Voltage Range	40–64 Vdc
Maximum DC Output Current (user configurable down to 5 A)	80 A
Supported Battery Types	Flooded, Gel, AGM, Lithium-Ion, Custom

PASSTHROUGH:

AC Input Voltage:	80–138 Vac
- Single-phase (L1 - N and L2 - N)	160–276 Vac
- Split-phase* (L1 - L2)	
Frequency (input/output)	60 Hz
Continuous AC current (input/output)	40 A

*L1-N must be within the single-phase qualification voltage range.

**LITHIUM-ION
COMPATIBLE**



Models	Part Number	Input Voltage	Continuous Power	Surge Rating	AC Output	Charger Output	Remote Panel
FREEDOM EX 4000	820-4080-41	12 Vdc	4000 W	8000 W*	Hardwire and optional GFCI	80 A	Optional Accessory (Digital) (See Page 9)

*Extended surge of 5 seconds

INVERTER/CHARGER COMPARISON

SMART
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FREEDOM HF
INVERTER



FREEDOM XC
INVERTER/CHARGER



FREEDOM XC PRO
INVERTER/CHARGER



Output Wave Form	Modified sine wave	True sine wave	True sine wave
Operating Temperature Range	32 to 104 °F (0 to 40 °C)	-4 to 140 °F (-20 to 60 °C)	-4 to 140 °F (-20 to 60 °C)
Input Voltage (DC)	12V	12V	12V
Models	12V (1000W/40A, 1000/55A, 1800/40A)	12V (1000W/50A, 2000W/80A)	12V (2000W/100A, 3000W/150A)
Built-in Transfer Relay	30A	30A	50A (3000W model) 30A (2000W model)
Surge* - 2X continuous power boost	1000W (more than 200 ms); 1800W (more than 300 ms)	More than 2 seconds	5 seconds
Lithium Ion Compatibility	No	Yes	Yes
Dead battery charging (batteries drained to extremely low voltage)	No	Yes	Yes
Temperature sensitive charging	Yes	Yes	Yes
Battery Equalization	No	Yes	Yes
Custom Profile (set a limit output, set low battery cut off points, select battery type & other custom features)	No – limited or mostly fixed settings	Yes	Yes
AC wiring	Quick Connect Terminals	Quick Connect Terminals	Quick Connect Terminals
Design	Compact, Lightweight	Compact, Lightweight	Compact, Lightweight
Remote Panel	Included	Optional Bluetooth LCD (808-0817-02)	Optional Bluetooth LCD (808-0817-02)
Bluetooth Function	No	Using the FREEDOM X Bluetooth Remote Panel (808-0817-02) and FXC Control App	Using the FREEDOM X Bluetooth Remote Panel (808-0817-02) and FXC Control App
UL 458 / CSA listed	Yes	Yes	Yes
HALT tested	Yes	Yes	Yes
RV-C Communications	No	No	Yes
Built-in NMEA 2000 Connector	No	No	Yes, marine models only

* duration of initial high current rush required for certain applications such as motor loads

FREEDOM EX ACCESSORIES



FREEDOM EX Remote Panel with 25' Cable (808-0817-03)

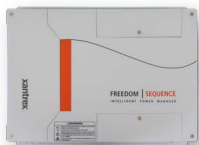
Enables you to control & monitor the inverter from a convenient location and read important information such as AC IN/OUT voltage/current, battery voltage/current, percentage status bar for inverter AC output and fault & error codes.

FREEDOM SW ACCESSORIES



FREEDOM SW Network Cable Adapter (808-9010)

- Enables upgrade to new FREEDOM SW using the existing inverter/charger remote telephone type cable
- Replace Magnum, 458 and almost any older make/model without changing the old phone cable; saves on time and labor



FREEDOM Sequence Intelligent Power Manager (809-0913)

- Automatic power and load management center for Recreational Vehicles (RVs)
- Automatically sheds and re-engages loads to avoid the nuisance circuit breaker tripping



Remote Panel Mounting Bracket (XAN-BRFSW)

- No need to adjust the existing remote panel hole. Easily replace existing FREEDOM 458, Link 1000/2000 or Magnum ME/MS remote panel with the FREEDOM SW remote panel using this bracket
- All screws included



Xanbus System Control Panel (809-0910, 809-0921)

- Provides comprehensive set-up and control of your Xantrex power system, including Freedom SW Inverter/Charger, Energy Management System (EMS) and Automatic Generator Start (AGS)
- An intuitive, easy to use interface of a Xanbus-Enabled power management system, connecting devices together and allowing them to transfer information, share controls and coordinate actions

Part# 809-0910 for the first generation Freedom SW 3000 (815-3000) Inverter/Chargers

Part# 809-0921 for Freedom SW 2012 (815-2012) & Freedom SW 3012 (815-3012) Inverter/Chargers



FREEDOM SW Conext Combox (809-0918)

- For the Freedom SW. Features an integrated web server, enabling graphical displays of system daily, monthly and lifetime energy data to be viewed using a simple web browser or Android™ mobile device
- Connectable up to 20 Xanbus devices within a Xantrex system



Xanbus Automatic Generator Start (809-0915)

- A control module that automatically activate a generator to provide Freedom SW Inverter/Charger* with power to recharge depleted batteries or assist with heavy loads
- A user can define whether the generator should be activated by low battery voltage, battery state of charge, thermostat operation, or load size on the inverter



GFCI Option (808-9003)

- Attach to the FREEDOM SW to enable you to plug electronics and appliances directly on the unit

XANTREX LITHIUM-ION BATTERIES

Designed to work with Xantrex Inverter/Chargers and Xantrex Solar



105Ah
12V

Group 27 replacement

Parallel stack up to 4 batteries



125Ah
12V

Group 31 replacement

Parallel stack up to 4 batteries



240Ah
12V

Parallel stack up to 2 batteries

UL CERTIFIED CELLS¹

For installation and use in mobile applications

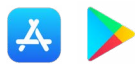
- Internal BMS - reduces footprint
- Cell Balancing - extends lifetime of battery
- LED's to Monitor State of Charge
- Remote Panel - view status of battery, turn battery on and off
- Bluetooth - connect to the Xantrex mobile app to view status of battery



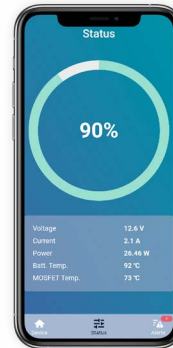
XANTREX APP

- Connect with bluetooth
- Monitor battery

DOWNLOAD ON



CONNECT WITH Bluetooth



DC BATTERY CABLES + FUSE KITS



Pre-terminated DC battery cables and fuse block kit for a fast and easy install between your inverter and battery.

12V Inverter Size Range

S - 600-800W
M - 900-1300W
L - 1400-2300W
XL - 2400-3000W

Part #	Description
883-0105-12	12V 105Ah Xantrex Lithium-Ion Battery (Group 27 Size Replacement)
883-0125-12	12V 125Ah Xantrex Lithium-Ion Battery (Group 31 Size Replacement)
883-0240-12	12V 240Ah 1Xantrex Lithium-Ion Battery
809-084G	DC Battery Cables + Fuse S-Kit
809-082G	DC Battery Cables + Fuse M-Kit
809-0820	DC Battery Cables + Fuse L-Kit
809-0840	DC Battery Cables + Fuse XL-Kit

BATTERY COMPARISONS

Group 31 Comparison

Features	Lead Acid Gel	Xantrex
Battery Capacity	100Ah	125Ah
Usable Capacity	30-50%	98%
Charging Mode	Bulk to 80%	Bulk to 99%
Charging Rate	30% of Maximum Capacity	80% of Maximum Capacity
Wasted Energy	15%	0%
Life Cycles	500-700	6,000 (under ideal conditions)
Voltage at 50% SOC	10.5Vdc	13.2Vdc
Voltage at 25% SOC	Dead	12.4Vdc
Weight	60+lbs	30lbs
\$\$\$ / Cycle	~\$0.5	~\$0.4
Features	Zero	Bluetooth, State of Charge

Group 27 Comparison

Features	Lead Acid Gel	Xantrex
Battery Capacity	100Ah	105Ah
Usable Capacity	30-50%	98%
Charging Mode	Bulk to 80%	Bulk to 99%
Charging Rate	30% of Maximum Capacity	80% of Maximum Capacity
Wasted Energy	15%	0%
Life Cycles	500-700	6,000 (under ideal conditions)
Voltage at 50% SOC	10.5Vdc	13.2Vdc
Voltage at 25% SOC	Dead	12.4Vdc
Weight	65+lbs	30lbs
\$\$\$ / Cycle	~\$0.4	~\$0.35
Features	Zero	Bluetooth, State of Charge

BACKUP POWER



PowerPack 1500

- Portable power companion - Take it with you wherever you go!
- Ideal for recreational outdoor activities and power outages
- Recharge at home, in your vehicle or from a Solar/PV Panel
- Excellent alternative to a power generator
- Built-in battery pack; no gas and no fumes



PowerHub 1800

- Primary power solution for an off-grid cottage/cabin or backup power for grid-connected homes during power outages
- Integrated AC transfer switch allows for pass-through generator output or generator charging of the batteries
- Clean, green, independent power solution
- Operate with solar, wind, generator or home AC input
- Meets UL1741, CSA and FCC Part 15 Class B

STANDALONE ACCESSORIES



LinkLITE (84-2030-00) and LinkPRO (84-2031-00) Battery Monitors

- Reads battery bank like a fuel gauge
- Selectively display voltage, charge and discharge current, consumed amp hours and remaining percentage of battery capacity
- LinkPRO displays time remaining and can measure up to 9,999 Ah
- LinkLITE can measure currents up to 999 Ah

Optional Accessories: Connection Kit for LinkLITE & LinkPRO (854-2021-01), Communication Kit for LinkPRO (854-2019-01), Temperature Kit for LinkPRO (854-2022-01)



Digital echo~charger (82-0123-01)

- Designed to charge auxiliary or starting batteries from an inverter/charger or other charging source with minimal voltage drop
- Compatible with either 12 Vdc or 24 Vdc battery banks

WARRANTY

HASSLE-FREE WARRANTY PROCESS TO GET YOU UP & RUNNING IN NO TIME

We are pleased to offer dealers a new "Destroy in Field" policy for **certain products** enabling them to immediately take care of you with any warranty issue without prior consultation with Xantrex. For details, visit www.xantrex.com.

END USER SUPPORT:

1.800.670.0707
customerservice@xantrex.com

Hours of operation:
6:30am - 4:30pm PST, Monday to Friday

CALIFORNIA STATE PROPOSITION 65 WARNING

EXPOSURE TO POTENTIALLY HARMFUL CHEMICALS FROM SOME PRODUCTS
Look for label below on product packaging. If you need more information, visit www.p65warnings.ca.gov/.

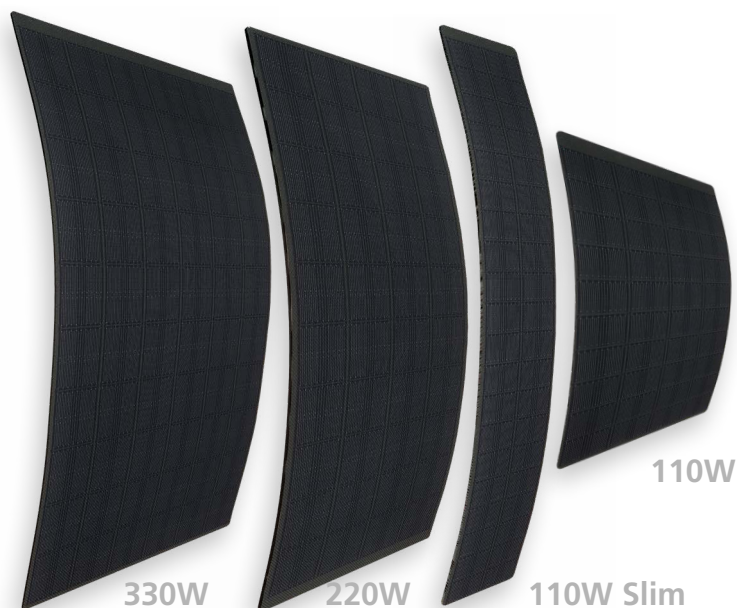
WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer and Diisodecyl Phthalate (DIDP) which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

xantrex™ SOLAR MAX

-  State-of-the-Art Mesh-Grid Technology
-  Enhanced Performance in Low Light Conditions
-  Highly Durable in Extreme Weather Conditions
-  Peel-and-Stick Drill-less Mounting Installation

Available in:

110W, 220W, 330W



CUSTOMIZE AND BUILD A SOLAR SYSTEM WITH THE RIGHT TYPE & SIZED COMPONENTS:

- 1** XANTREX SOLAR MAX PANELS
+
- 2** XANTREX SOLAR CHARGE CONTROLLER & SOLAR CABLE KIT (708-0150)
+
- 3** CHOOSE ACCESSORIES AND OPTIONAL ADD-ONS (INVERTER, BATTERIES)

Part #	Description
784-0110	110W Xantrex Solar Max Flex Panel
784-0110S	110W Xantrex Solar Max Flex Slim Panel
784-0220	220W Xantrex Solar Max Flex Panel
784-0330	330W Xantrex Solar Max Flex Panel

STARTER SOLAR CABLE KIT



- Pre-terminated ferrules to plug into the charge controller
- MC4-type connector to connect to your solar panel
- Pre-terminated battery rings to connect to your battery
- 30A DC blade fuse built into the positive red battery cable

ACCESSORIES

Part #	Description
708-0030	PV Extension Cables (15')
708-0040	PV Single Connector (1 Pair)
708-0050	PV Branch Connector (1 Pair)
708-0060	PV Connector Assembly Tool
708-0070	Mounting Hardware
708-0090	Roof Entry Cable
708-0120	SAE-to-Furrion Battery Adapter Cable
708-0130	Xantrex Solar Sidewall Port
708-0150	Starter Solar and Battery Cables Kit

xantrex™ SOLAR

SOLAR CHARGE CONTROLLERS

Xantrex Solar Charge Controllers connect to your Xantrex Solar panel power system to manage and view the status of your power harvesting. Xantrex offers a variety of controllers to best accommodate the application's needs.



MPPT Charge Controller 30

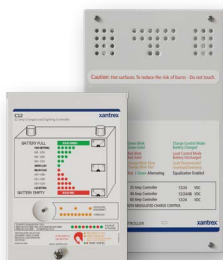
The Xantrex Solar MPPT Charge Controller 30 features advanced Maximum Power Point Tracking (MPPT technology, providing an instant upgrade to your solar system with up to 30% more power compared to PWM charge controllers. Offering greater flexibility, simplicity, and efficiency in PV array designs, higher voltage PV arrays can be used up to 72V (nominal). Equipped with dual-battery bank charging ports ideal for simultaneously charging and maintaining 12V house and starter batteries, best-in-class PV array and battery protections, and a built-in LCD display providing real-time system data.

- Advanced multi-stage charging technology (Bulk, Absorption, Float, Equalization) for optimal charging
- MPPT charging algorithm with 99.5% efficiency
- Dual-battery bank charging to simultaneously charge house and starter batteries
- House battery types supported: Sealed (AGM), Gel, Flooded, Lithium Iron Phosphate (LiFePO₄)
- Optional remote battery temperature sensor (lead-acid batteries only) and remote panel available



PWM Charge Controller 30

- Advanced multi-stage charging technology, Bulk, Absorption, Float, Equalization
- Battery types supported: Sealed (AGM), Gel, Flooded, Lithium Iron Phosphate (LiFePO₄)
- Best-in-class PV array and battery protections
- Optional remote battery temperature sensor (lead-acid batteries only) available



C Series PWM Charge Controller

- Three-stage Regulation, Solid State, and Pulse Width Modulation
- Field Adjustable Control Setpoints
- Automatic Equalization
- Electronic detection of short-circuit, overload, over-temperature and reverse polarity conditions

Part #	Description
709-3024-01	Xantrex Solar PWM Charge Controller 30
710-3024-01	Xantrex Solar MPPT Charge Controller 30
C12	C Series 12A PWM Charge Controller (12Vdc)
C35	C Series 35A PWM Charge Controller (12 & 24Vdc)
C40	C Series 40A PWM Charge Controller (12, 24 & 48Vdc)
C60	C Series 60A PWM Charge Controller (12 & 24Vdc)

xantrex™ SOLAR MAX PACKAGES



TOURING

WEEKEND GETAWAY (1-4 Days)

WHAT CAN IT RUN:



PART #	QTY	WHAT'S INCLUDED
784-0110	1	110W Solar Max Flex Panel
709-3024-01	1	30A PWM Charge Controller
708-0150	1	Plug and Play Solar and Battery Cables

OPTIONAL ADD-ONS

PART #	QTY	DESCRIPTION
817-1050	1	FREEDOM XC 1000W Inverter/Charger with Built-in Transfer Switch
808-0817-02	1	FREEDOM X Bluetooth Remote Panel
809-082G	1	DC Battery Cables + Fuse M-Kit
883-0105-12	1	12V 105Ah Lithium-Ion Battery



AUTONOMY SLIM

WEEK LONG TRIP (4-7 Days)

WHAT CAN IT RUN:



PART #	QTY	WHAT'S INCLUDED
784-0110S	2	110W Solar Max Flex Panel Slim
710-3024-01	1	Xantrex Solar Charge Controller MPPT 30
708-0150	1	Plug and Play Solar and Battery Cables

OPTIONAL ADD-ONS

PART #	QTY	DESCRIPTION
817-2080	1	FREEDOM XC 2000W Inverter/Charger with Built-in Transfer Switch
808-0817-02	1	FREEDOM X Bluetooth Remote Panel
809-0820	1	DC Battery Cables + Fuse L-Kit
883-0125-12	2	12V 125Ah Lithium-Ion Battery



ULTIMATE

OFF-GRID TRIP (7+ Days)

WHAT CAN IT RUN:



PART #	QTY	WHAT'S INCLUDED
784-0220	2	220W Solar Max Flex Panel
710-3024-01	1	Xantrex Solar Charge Controller MPPT 30
708-0150	1	Plug and Play Solar and Battery Cables

OPTIONAL ADD-ONS

PART #	QTY	DESCRIPTION
818-3010	1	FREEDOM XC PRO 3000W Inverter/Charger with Built-in Transfer Switch
808-0817-02	1	FREEDOM X Bluetooth Remote Panel
809-0840	1	DC Battery Cables + Fuse XL-Kit
883-0240-12	2	12V 240Ah Lithium-Ion Battery



ABOUT MISSION CRITICAL ELECTRONICS

Mission Critical Electronics (MCE) is parent of Xantrex and many other industry leading brands: American Battery Charging, ASEA Power Systems, DuraComm, Kussmaul Electronics, Newmar Power, Power Products Unlimited, Purkeys, Xantrex, ZeroRPM. Headquartered in Costa Mesa, California, MCE is a leader in the development of innovative solutions for power conversion, energy storage, power generation and shore power connectivity for a wide variety of applications in vehicle, marine, industrial and network markets. MCE takes great pride in translating its customers' needs into the highest quality products and solutions available in the markets it serves. MCE delivers its products and solutions with an unmatched level of responsiveness.

MCE serves its customers in North America through 9 offices and a third party warehousing facility. MCE also maintains manufacturing facilities in the US and employs over 300 people. MCE continues to invest in advanced and innovative technologies for electrification of power systems in boats and vehicles.

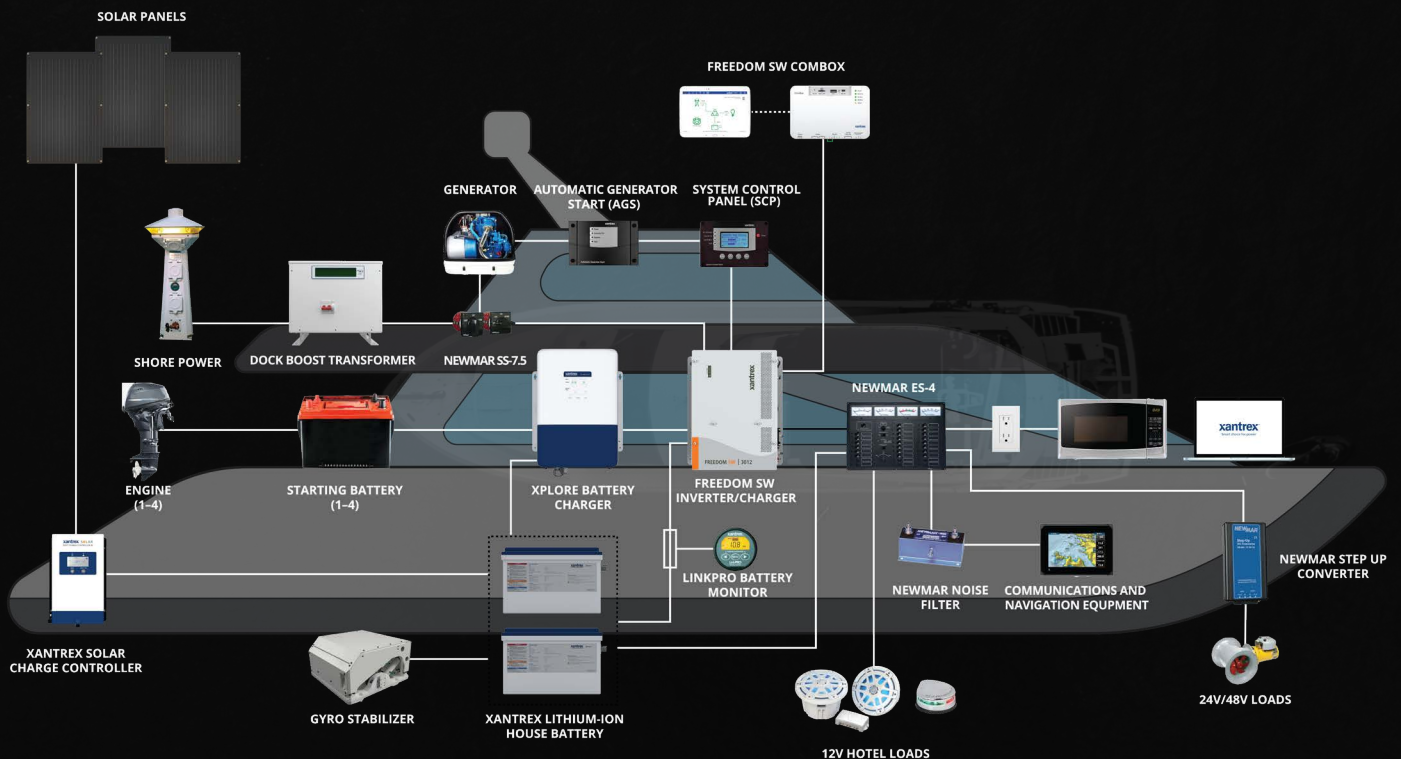
The introduction of FREEDOM eGEN, ZeroRPM, and SAFEX power systems are a testament to MCE's commitment of offering clean, green, environmentally-friendly power solutions for both recreational and commercial applications.

MCE offers a complete suite of AC and DC power solutions including energy storage and renewable energy source for vehicle and marine applications.

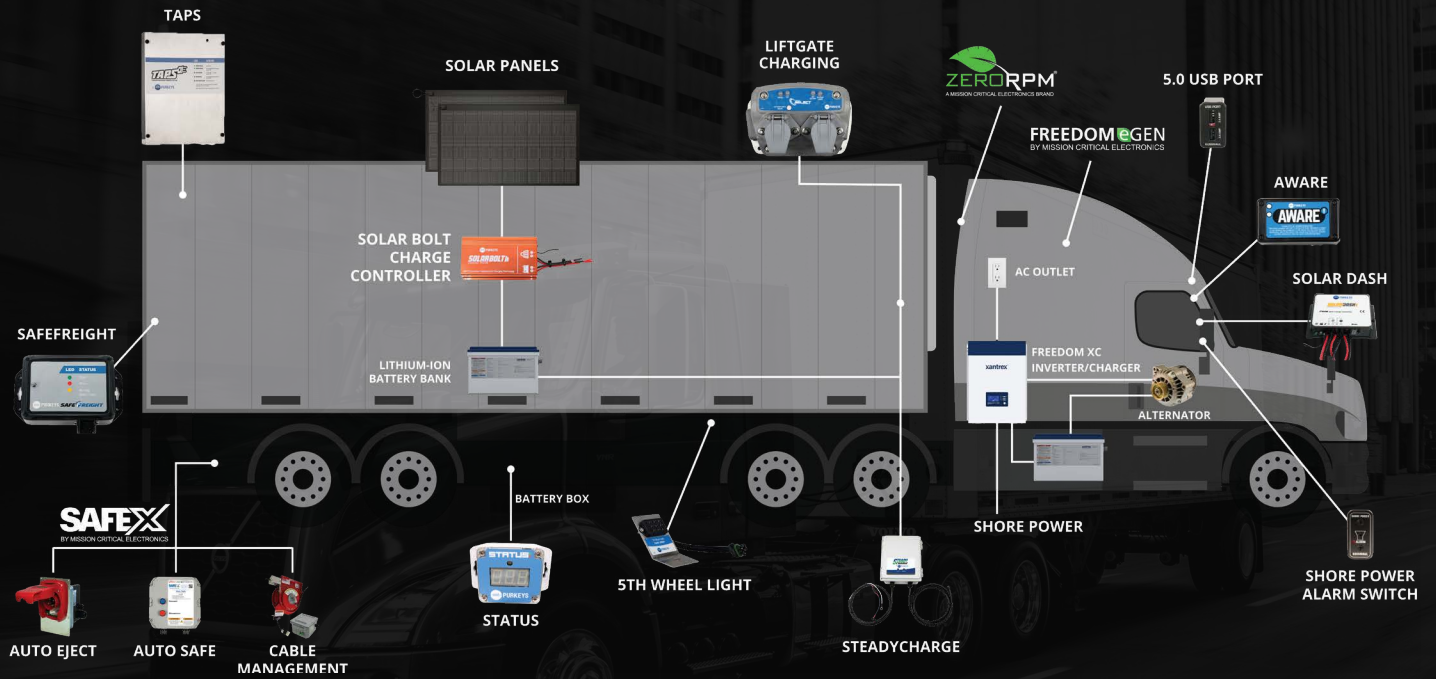
BOATS

THE POWER OF ONE

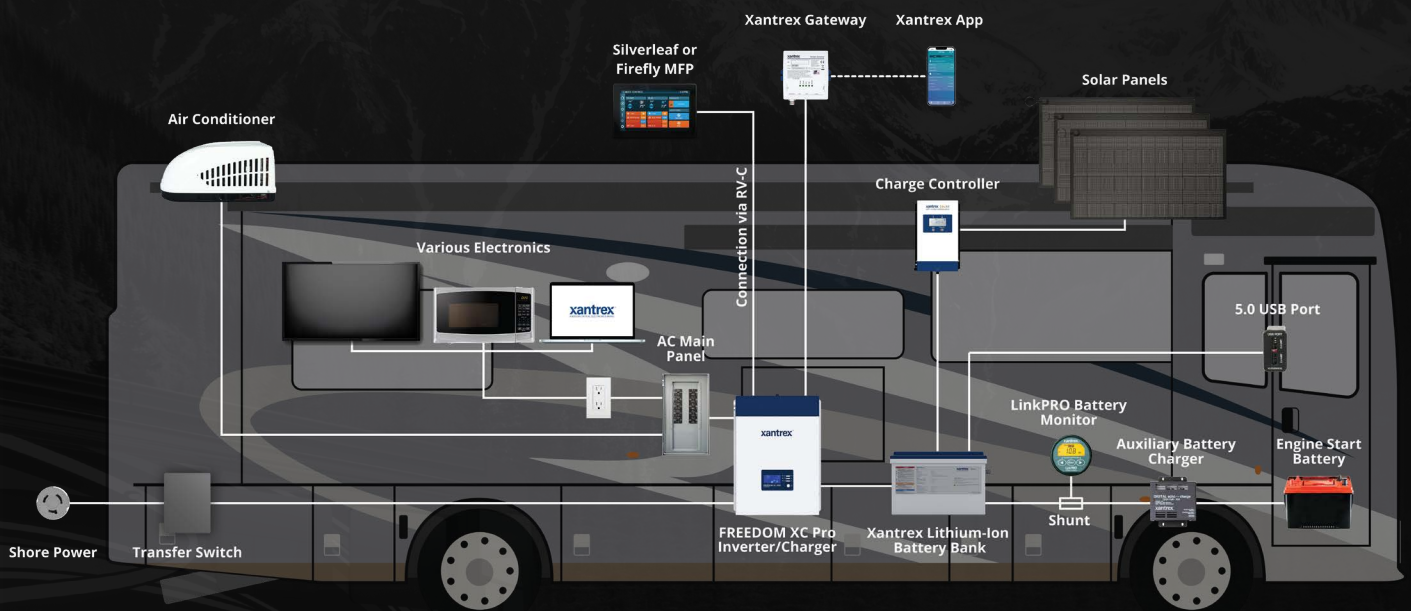
COMPLETE AC/DC POWER SOLUTION FROM ONE MANUFACTURER



HEAVY-DUTY TRUCK



RECREATIONAL VEHICLES





CUSTOMER SATISFACTION IS OUR #1 PRIORITY

Xantrex Authorized Service Centers repair out-of-warranty and non-warrantable products. Xantrex does not sell parts and components directly to the end user. For out-of-warranty repairs and replacement parts and components, please contact nearest Xantrex ASC from the list below.



WEST COAST

Anchor Marine Electric LTD
780 Spruce Ave
Victoria, BC, V8T 5A5
250.386.8375

ASE Supply
7710 NE 17th Ave
Portland, OR, 97211
503.288.0100

Biobenefit Energy
3368 California St
Costa Mesa, CA, 92626
714.809.4003

JJ RV Service
8758 Longs Peak Cir
Windsor, CO, 80550
877.516.4023

Mark Snyder Electric
H-5840 Gibbons Dr
Carmichael, CA, 95608
619.992.5932

Mark Snyder Electric
200-12900 Brook Printer Plc
Poway, CA, 92064
619.992.5932

One Stop Custom Shop
6923 Wyoming Lane
Col. Springs, CO 80923
719.495.2740

Pacific Yacht Systems
1641 Powell St
Vancouver, BC, V5L 1H5
604.284.5171

Renewable Energy Systems
1698 Airport Way
Fairbanks, AK, 99701
907.451.8717

S3 Maritime
200-2360 W. Commodore Way
Seattle, WA, 98199
206.420.4932

MIDWEST

Advanced Solar
474 W. Levi Lee Rd
Warsaw, IN 46582
574.227.2801

Mark Snyder Electric
10310 Golden Arrow Dr
Hutchinson, KS, 67502
619.992.5932 Option 2

SOUTH

eMarine Systems
3-2821 SW 23rd Terrace
Ft. Lauderdale, FL, 33312
954.581.2505

Field Technical Services
305-6804 E. Hwy 6 South
Houston, TX, 77083
281.561.7149

Inverter Sales and Service
102 SCT Dr
White House, TN 37188
615.285.0611

Marine Electronics Repair
8051 US Hwy 41 Suite C7
Sarasota, FL, 34243
941.228.7110

Mark Snyder Electric
751 N. Monterey, Suite 112
Gilbert, AZ 85233
858.748.4612, Ext 102

National Indoor RV Service 1, LLC
498 E. State Hwy 121
Lewisville, TX, 75057
469.277.1330

EAST COAST

BC&C, LLC
252-B Tyson Dr
Winchester, VA, 22603
540.662.7796

Brewer Pilots Point Marina
63 Pilots Point Dr
Westbrook, CT 06498
860.399.7906

IDS Energie
3680 Thibeau Blvd
Trois-Rivieres, PQ, G8W 2H5
819.373.5978

Les Contrôles Véhiculaires Protek
1353, rue Belgrand
Laval, QC H7E 5E7
514.360.6367

Tekris Power Electronics
1675 Hwy 34
Farmingdale, NJ 07727
732.938.4996

Voyager Marine
75 Eastern Ave
Essex, MA, 01929
978.768.7260

W.E. Enterprises
3090 Jarrow Ave
Mississauga, ON, L4X 2C7
905.629.1424



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youtube.com/XantrexTechnology



Headquartered in Costa Mesa, California, Mission Critical Electronics (MCE) provides specialized products for critical systems in a wide variety of applications operating under the leading brands: American Battery Charging, ASEA Power Systems, DuraComm, Kussmaul Electronics, Newmar Power, Power Products Unlimited, Purkeys, Xantrex, and ZeroRPM. These brands have been built on the strength of their team and their ability to connect with customers. MCE takes great pride in translating their customers' needs into the highest quality products and solutions available in the markets it serves. MCE delivers those products and solutions with unmatched level of responsiveness.