

RV POWER SOLUTION GUIDE

CLASS A
CLASS B
CLASS C
TRAVEL TRAILER
FIFTH WHEEL

INVERTERS
INVERTER/CHARGERS
LITHIUM-ION BATTERIES
SOLAR
ACCESSORIES

SMART
CHOICE
FOR
POWER

01.05.2023



CLASS A MOTORHOMES REPLACEMENT OPTIONS



INSTALL THE NEW GENERATION FREEDOM SW. THERE'S NO EXTRA LABOR COST.



CLASS A

A coach with an old, worn-out inverter/charger, whether it is the FREEDOM 458 or the Magnum ME or MS, requires replacement, upgrade to the FREEDOM SW, the most advanced power solution in the market today.

The FREEDOM SW can be a stand-alone power source or it can work together with an existing on-board generator to power all types of loads including air conditioners. It can be easily configured to work with any Lithium Ion battery.

Extremely easy changeover, no need to run a new remote panel cable
Drops into the same location.**

*FREEDOM 458, RV series, Trace SW, Magnum & most Dimensions & Tripp Lite Inverter/Chargers.

**Using our telephone to network cable adapter part # 808-9010.

FREEDOM SW

- Built-in hybrid functionality - combines shore and AC generator input to power loads
- State-of-the-art FREEDOM sine wave series with advanced features
- Ideal upgrade for Magnum, RS, MS, Trace SW and other older make/models
- Supports power sharing & generator interactivity
- 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 On/Off 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).



HYBRID,
LITHIUM ION
COMPATIBLE

PARALLEL
STACKING FOR
2X
OUTPUT POWER

SERIES STACKING
FOR
120/240
Vac
APPLICATIONS

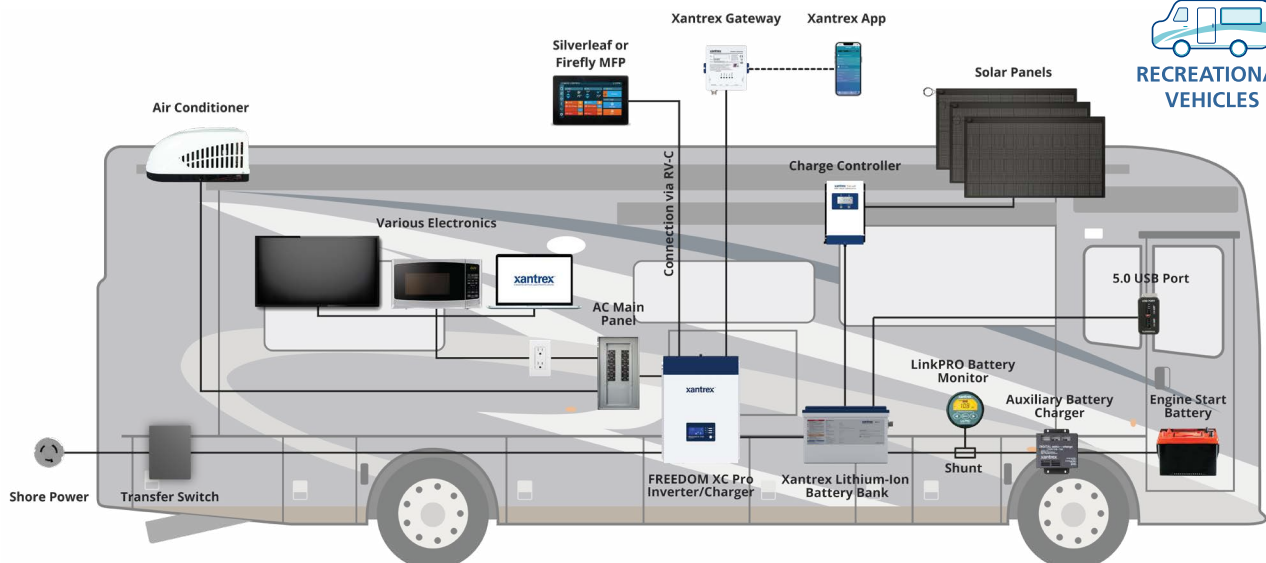
FREEDOM 458

- 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 V Ignition Lockout Switch (82-0122-12).



RECREATIONAL
VEHICLES



CLASS A MOTORHOME REPLACEMENT OPTIONS

OLD INVERTER/CHARGER REPLACEMENT CHART

Upgrading a Xantrex FREEDOM 458 or RS Series or swapping out a Magnum ME or MS series inverter/charger with full featured FREEDOM SW is exceptionally easy and cost-effective; drop-in replacement, no cable changes, no extra labor charges. Use the FREEDOM SW Telephone to Network Cable Adapter (808-9010) for quick and easy replacement.

COMPETITOR PRODUCT	XANTREX REPLACEMENT	BENEFITS OF REPLACING WITH XANTREX
MAGNUM MODIFIED SINE WAVE INVERTER/CHARGERS		
Magnum ME 2012	FREEDOM SW (815-2012)	True sine wave technology, higher surge, parallel & series stacking, hybrid functionality, generator assist mode, EMS1 via FREEDOM Sequence, system monitoring2 via tablet
Magnum ME 3112	FREEDOM SW (815-3012)	
Magnum ME 2512		All of the above plus more AC power & charging output
MAGNUM SINE WAVE INVERTER/CHARGERS		
Magnum MS 2000	FREEDOM SW (815-2012)	Feature-rich include parallel & series stacking, generator assist mode, hybrid functionality, faster transfer times, monitoring2 via tablet, EMS1 via FREEDOM Sequence; higher surge & lower cost
Magnum MS 2812	FREEDOM SW (815-3012)	

¹Energy Management System; ²Requires FREEDOM SW Combox

Models	Part Number	Input Voltage	Continuous Power	Surge Rating	Charger Output	Remote Panel
TRUE SINE WAVE						
FREEDOM SW 2012	815-2012	12 V	2000 W	4000 W***	100 A	Optional (On/Off, System Control Panel)
FREEDOM SW 3012	815-3012		3000 W	6000 W***	150 A	
FREEDOM SW - RVC	815-3012-02		3000 W	6000 W***	120 A	
FREEDOM SW 2024	815-2024	24 V	2000 W	4000 W***	50 A	
FREEDOM SW 3024	815-3024		3000 W	6000 W***	75 A	
MODIFIED SINE WAVE						
FREEDOM 458 20	81-2010-12	12 V	2000 W	6000 W	100 A	Optional (Basic Remote Control Panel)
FREEDOM 458 20	81-2022-12					
FREEDOM 458 25	81-2530-12		2500 W	7500 W	130 A	

***Extended surge of 5 seconds.

IT'S EASIER THAN EVER TO UPGRADE



FREEDOM SW Telephone Network Cable Adapter (808-9010)

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



FREEDOM SW Remote Panel Mounting Bracket (XAN-BRFSW)

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

SAY GOODBYE TO CONVERTER BLUES



OFFER A MORE ROBUST & RELIABLE ALL-IN-ONE POWER SOLUTION - INVERTER, CONVERTER/CHARGER & TRANSFER RELAY IN ONE BOX

When a converter breaks, it would be a perfect time to upgrade to an inverter/charger, a complete electrical system. The converter is built right in. Plus, you get AC power in all plugs and easy power transfer from shore to battery and vice-versa.

**LITHIUM ION
COMPATIBLE**

**THE
CONVERTER
IS BUILT
RIGHT IN**



FREEDOM XC & XC PRO

- 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
- Recharges dead batteries down to 0V
- Configurable charge algorithm
- Extended surge, power share, equalization, power factor correction
- Configurable low battery voltage shutdown
- Built-in 30A Automatic Transfer Switch

FREEDOM XC PRO includes all the features of the XC with a bigger charger and built-in communication card designed to work with multi-function displays of Silver Leaf, Firefly and others.

FREEDOM XC PRO 3000 has 50A transfer switch.

Optional Accessories: Bluetooth Remote Panel with 25' Cable (808-0817-02), Remote Panel with 25' Cable (808-0817-01), 20 A GFCI Option (808-9817), Communication Cable 50' (31-6262-00).

**THE
CONVERTER
IS BUILT
RIGHT IN**



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

Included Accessories: FREEDOM HF Remote Control Panel (808-1840), 25' Remote Cable (31-6257-00).

Models	Part Number	Continuous Power	Surge Rating	AC Output	Charger Output	Remote Panel
TRUE SINE WAVE						
FREEDOM XC 1000	817-1050	1000 W	2000 W*	Hardwire Optional GFCI	50 A	Optional Accessory (Digital)
FREEDOM XC 2000	817-2080	2000 W	4000 W*		80 A	
FREEDOM XC PRO 2000	818-2010	2000 W	4000 W*		100 A	
FREEDOM XC PRO 3000	818-3010	3000 W	6000 W*		150 A	
MODIFIED SINE WAVE						
FREEDOM HF 1000	806-1020	1000 W	2000 W	Hardwire/GFCI	20 A	Included (Digital)
FREEDOM HF 1055	806-1055				55 A	
FREEDOM HF 1800	806-1840	1800 W	3600 W		40 A	

*Extended surge of 2 seconds.



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.

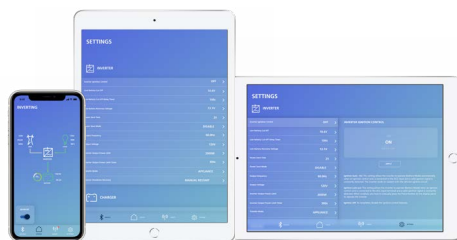
FXC CONTROL APP



DOWNLOAD ON



CONNECT WITH Bluetooth



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

THE MISSING PIECE - AC POWER IN ALL PLUGS



AC POWER SOLUTION TO COMPLEMENT AN EXISTING CONVERTER,
RUNS AC FRIDGE AND THE LATEST ELECTRONICS.

Install a Xantrex inverter so you have AC power in all plugs and utilize incoming shore-power to run hotel loads when the RV is plugged-in.



FREEDOM X

- Full output from -4°F to 104°F. Operates up to 140°F
- Extended surge, 10 ms UPS like AC transfer time
- Huge wiring bay and quick connect terminals for fast and easy installation
- Configurable low battery voltage shutdown
- Built-in 30A transfer relay enables incoming shore power to operate loads when the RV is plugged in
- Hardwire capability enables AC power in all plugs of the RV

Optional Accessories: Bluetooth Remote Panel with 25' Cable (808-0817-02), Remote Panel with 25' Cable (808-0817-01), GFCI Option (808-9817), Communication Cable 50' (31-6262-00).



PROwatt SW

- Economical true sine wave solution
- Dual GFCI AC receptacles and USB charge port
- Hardwire capability and shore power pass through via optional transfer relay

Optional Accessories: Remote On/Off Switch with 25' Cable (808-9001), 15A Transfer Relay (808-0915).



XPower

- MSW inverters simple to install and use
- Remote on/off switch included
- 3000 W & 5000 W models hardwirable

Included Accessories: Remote Panel (808-9500).

Models	Part Number	Continuous Power	Surge Rating	AC Output	Transfer Relay	Remote Panel
TRUE SINE WAVE						
FREEDOM X 1000	817-1000	1000 W	2000 W*	Hardwire Optional GFCI	Yes	Optional (Digital)
FREEDOM X 1200	806-1212	1200 W	2400 W**			
FREEDOM X 2000	817-2000	2000 W	4000 W*			
FREEDOM X 3000	817-3000	3000 W	6000 W*			
PROwatt SW 600	806-1206	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**	GFCI	No	Included (Digital)
PROsine 1800	806-1800	1800 W	2900 W**			
PROsine 1800	806-1802			Hardwire	Yes	
MODIFIED SINE WAVE						
XPower 1000	813-1000-UL	1000 W	2000 W	GFCI	No	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			
PRO XM 1000	806-1010	1000 W	2000 W		Yes	Included (Digital)
PRO XM 1800	806-1810	1800 W	3600 W			

Xantrex inverters meet UL458 safety and quality standards for use in RV applications

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

INVERTER/CHARGER/CONVERTER

LITHIUM ION
COMPATIBLE



FREEDOM EX 4000

- DC-AC Voltage Converter - 48VDC to 12VDC output
- Highly configurable charger specifically designed for lithium ion batteries
- Built-in 50A Transfer Relay
- Extended Surge Rating
- True Sine Wave AC Power
- Ignition Control

Bluetooth 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. 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.

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)

*Extended surge of 5 seconds

MONITORS & CONTROLLERS



LinkLITE and LinkPRO 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
- LinkLITE Part number: 84-2030-00
- LinkPRO Part number: 84-2031-00

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

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

SMART CHOICE FOR POWER™

XPOWER INVERTER



PROWATT SW 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	No, optional accessory (808-9001-01)	Yes
Remote Panel	Yes included	Optional accessory (808-9001)	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	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

SMART CHOICE FOR POWER™

FREEDOM HF INVERTER/CHARGER



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
Built-in RV-C Communication Protocol	No	No	Yes

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

XANTREX LITHIUM-ION BATTERIES

Designed to work with Xantrex Inverter/Chargers and Xantrex Solar



105Ah
12V

Group 27 size replacement
Parallel stack up to 4 batteries



125Ah
12V

Group 31 size 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



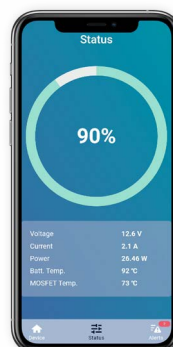
XANTREX APP

- 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 Xantrex 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

¹105Ah Lithium-Ion Battery uses UL2580/UL1642 certified cells (File MH63503 or MH62190; Model LF105); 125Ah Lithium-Ion Battery uses UL1793 certified cells (File MH62898; Model CB320 or File MH64445; Model LP33200173); 240Ah Lithium-Ion Battery uses UL1793 certified cells (File MH62898; Model 6LH3L7).

XANTREX LITHIUM-ION BATTERIES

Designed to work with Xantrex Inverter/Chargers and Xantrex Solar



310Ah
12V



410Ah
12V



205Ah
24V



100Ah
51V

UL1642 CERTIFIED CELLS¹

For installation and use in
mobile applications

- Internal BMS - reduces footprint
- Integrated eGEN chassis connections for alternator control
- Remote SOC gauge – view status, SOC, faults, etc.
- Cell Balancing – extends life of the battery and provides all Ah's
- Bluetooth – connect to the Xantrex mobile app to view status of battery



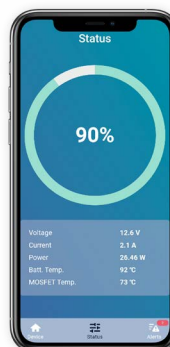
XANTREX APP

- Connect with bluetooth
- Monitor battery

DOWNLOAD ON



CONNECT WITH Bluetooth



Part #	Description
884-0310-12	12V 310Ah Xantrex Lithium-Ion Battery
884-0410-12	12V 410Ah Xantrex Lithium-Ion Battery
884-0205-24	24V 205Ah Xantrex Lithium-Ion Battery
884-0100-51	51V 100Ah Xantrex Lithium-Ion Battery

- Special order batteries. Contact your distributor or Tom Manning & Associates Rep to place an order.

BATTERY COMPARISONS

Group 31 Comparison

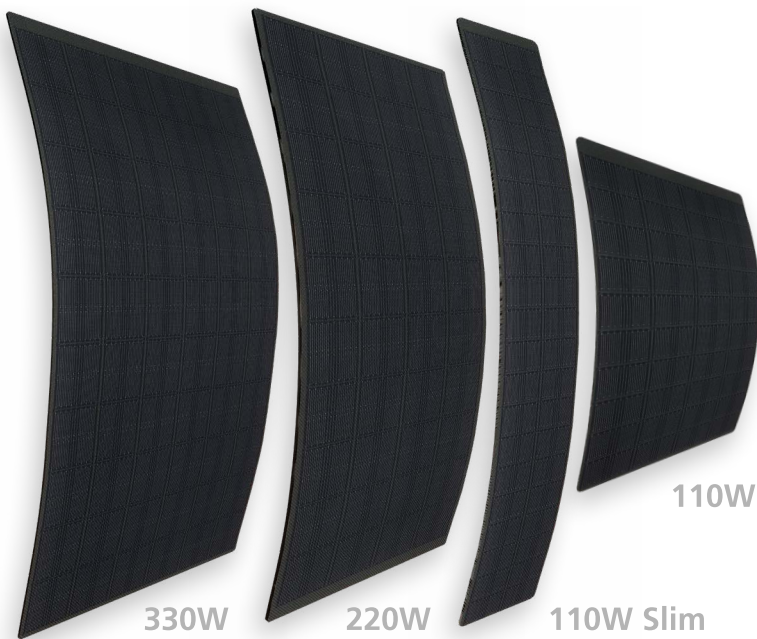
Features	Lead Acid Gel	Xantrex
Battery Capacity	100Ah	125Ah
Usable Capacity	30-50%	98%
Charging Mode	Bulk to 80%	Bulk to 99%
Charging Rate	30% of Maximum Capacity	80% of Maximum Capacity
Wasted Energy	15%	0%
Life Cycles	500-700	6,000 (under ideal conditions)
Voltage at 50% SOC	10.5Vdc	13.2Vdc
Voltage at 25% SOC	Dead	12.4Vdc
Weight	60+lbs	29.8lbs (13.5kg)
\$\$\$ / 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	25.4lbs (11.5kg)
\$\$\$ / Cycle	~\$0.4	~\$0.35
Features	Zero	Bluetooth, State of Charge

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

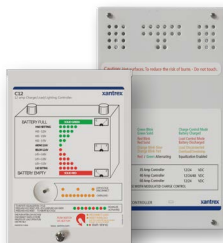
The Xantrex Solar MPPT Charge Controller 30 features advanced Maximum Power Point Tracking (MPPT technology, providing an instant upgrade to your solar system with up to 30% more power compared to PWM charge controllers. Offering greater flexibility, simplicity, and efficiency in PV array designs, higher 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

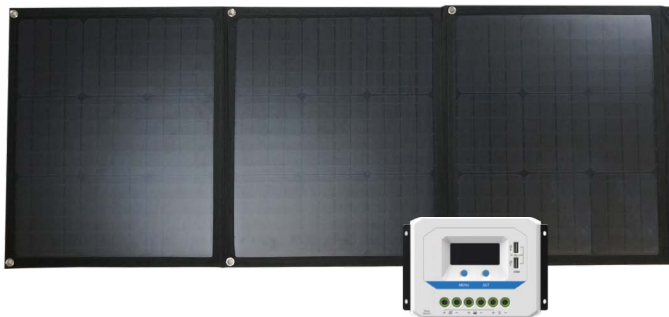
- Three-stage Regulation, Solid State, and Pulse Width Modulation
- Field Adjustable Control Setpoints
- Automatic Equalization
- Electronic detection of short-circuit, overload, over-temperature and reverse polarity conditions

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

SOLAR PORTABLE FLEX KIT

The Xantrex Solar 100W portable flex kit features an incredibly lightweight and compact solution. The panel is half the weight and a quarter the size of most 100W portable kits in the market today.



100W SOLAR PORTABLE FLEX KIT

Solar Panel

- 100W solar panel featuring 5 busbar mono-crystalline cells.

Charge Controller

- 10A Pulse-Width Modulation (PWM) charge controller is provided to charge and protect your batteries. Featuring an LCD screen, two USB ports, multi-stage battery charging algorithm, charging protections, and real-time system indicators.

Battery Connections

- Three ways to connect to your battery using a SAE connector, battery rings or battery clamps.

WAYS TO CONNECT:



BATTERY CLAMPS



BATTERY RINGS



SAE CONNECTOR

50%
LIGHTER*

25%
THE SIZE*

5 BUSBAR
TECHNOLOGY**

*compared to a most 100W portable kits in the market today

**Most brands use 2-4 busbars, more busbars means better efficiency & durability



OPEN



CLOSED



TILTING LEGS

Part #	Description
783-0100-01	100W Solar Flex Kit

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)

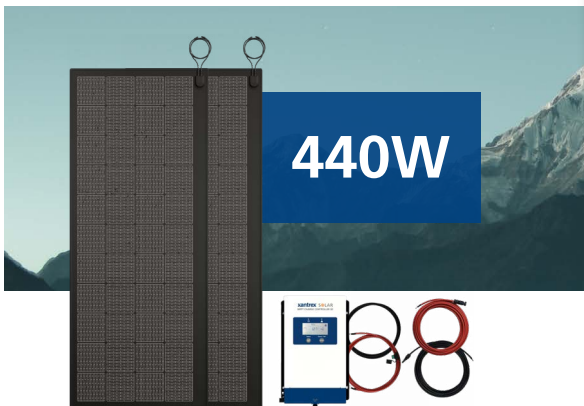
WHAT CAN IT RUN:



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



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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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, 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.