

FREEDOM eGEN

LITHIUM ION POWER SYSTEM



	Lithium Battery	Inverter/Charger	Combiner Controller	Secondary Alternator	Dash Air	IMS	Solar
FREEDOM eGEN Lite	●	●	●				Optional
FREEDOM eGEN	●	●	●	●			Optional
FREEDOM eGEN Air	●	●	●	●	●		Optional
FREEDOM eGEN Max	●	●	●	●	●	●	Optional

FREEDOM eGEN REDUCE GENERATOR RUNTIME

OUR LITHIUM IS SAFE, POWERFUL AND EFFICIENT

50%
weight savings

50%
space savings

4X
energy density

6-8X
life of traditional batteries

Available from 105Ah to 620Ah as part of a fully customizable power generation system for all types of RVs

FREEDOM TO GO OFF-GRID FOR LONGER

Multiple power and charging sources ensure RVers can go off-grid for longer without worrying about essential electronics and appliances running out of power
RVers no longer have to worry about turning on a generator and resulting nuisance such as noise and air pollution

FULLY CUSTOMIZABLE & UPGRADEABLE

Option to add additional batteries, solar panels or upgrade inverter/charger in the future

MULTIPLE CHARGING SOURCES INCLUDING SOLAR KEEP BATTERIES CHARGED

The specially designed alternator charges the battery when the RV is running
The inverter/charger charges the battery when the RV is parked and plugged in at a campground
Solar continuously trickle charges batteries to further extend its service life and electronics runtime

CRITICAL SYSTEM INFORMATION ON FINGER TIPS

View, monitor and configure critical system information on smartphone or tablet via apps available on Android and Google Play Store

MORE INFO:

sales@xantrex.com

CONNECT WITH US:

www.xantrex.com

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youtube.com/XantrexTechnology

- Lithium is safe, powerful and efficient
- Solar option to enhance battery life
- Longest runtime of electronics & appliances
- Reduce generator runtime

EXCEPTIONAL SERVICE LIFE
6000
CYCLES*

*up to 6000 under ideal conditions.



FREEDOM eGEN

The FREEDOM eGEN is a fully integrated system that offers the most reliable AC and DC power to run an air conditioner and other high power loads in all climate conditions and precise battery management for accurately charging lithium ion batteries from multiple sources. The most compelling benefit is the freedom and confidence it offers RVers to enjoy dry camping adventures without worrying about batteries or power.

SAFEST SYSTEM

Integrated Solution With Redundant Safety Features

- Lithium ion (LiFePO₄) is the safest chemistry on the market today
- Reserve capacity warning to recharge
- Individual cell management ensures each cell is treated safely

LONGEST RUN TIME AND EFFICIENCY

Highest Quality Lithium And Components – No Short Cuts

- Durable plastic cases with IP65 ingress protection for the smaller batteries
- Rigid metal enclosures for mobile applications for the larger batteries

EXCEPTIONALLY FAST ALTERNATOR RECHARGE TIME

Proprietary Control To Safely Get The Most Charging Current To The Battery During Idle

- Proven advanced technology alternator for high output at idle
- Low drag coefficient for maximum fuel economy
- Optimal thermal design for long life

LONGEST BATTERY LIFE

LiFePO₄ cell balancing and temperature control all contribute to the longest lasting batteries on the market

- Lithium ion (LiFePO₄) is the safest chemistry on the market today
- Iron phosphate (LiFePO₄) chemistry can have twice the cycle and calendar life than many other lithium chemistries during typical vehicle usage
- UL 1973 certified for safety (310 Ah & 410 Ah)
- No cell is ever overcharged

1  **FREEDOM XC PRO INVERTER/CHARGER**
Part #: 818-2010, 818-3010

2  **LITHIUM ION BATTERY**
Part #: 884-0310-12

3  **VOLTAGE REGULATOR**
Part #: 882-0010-12
(PART OF THE ALTERNATOR KIT)

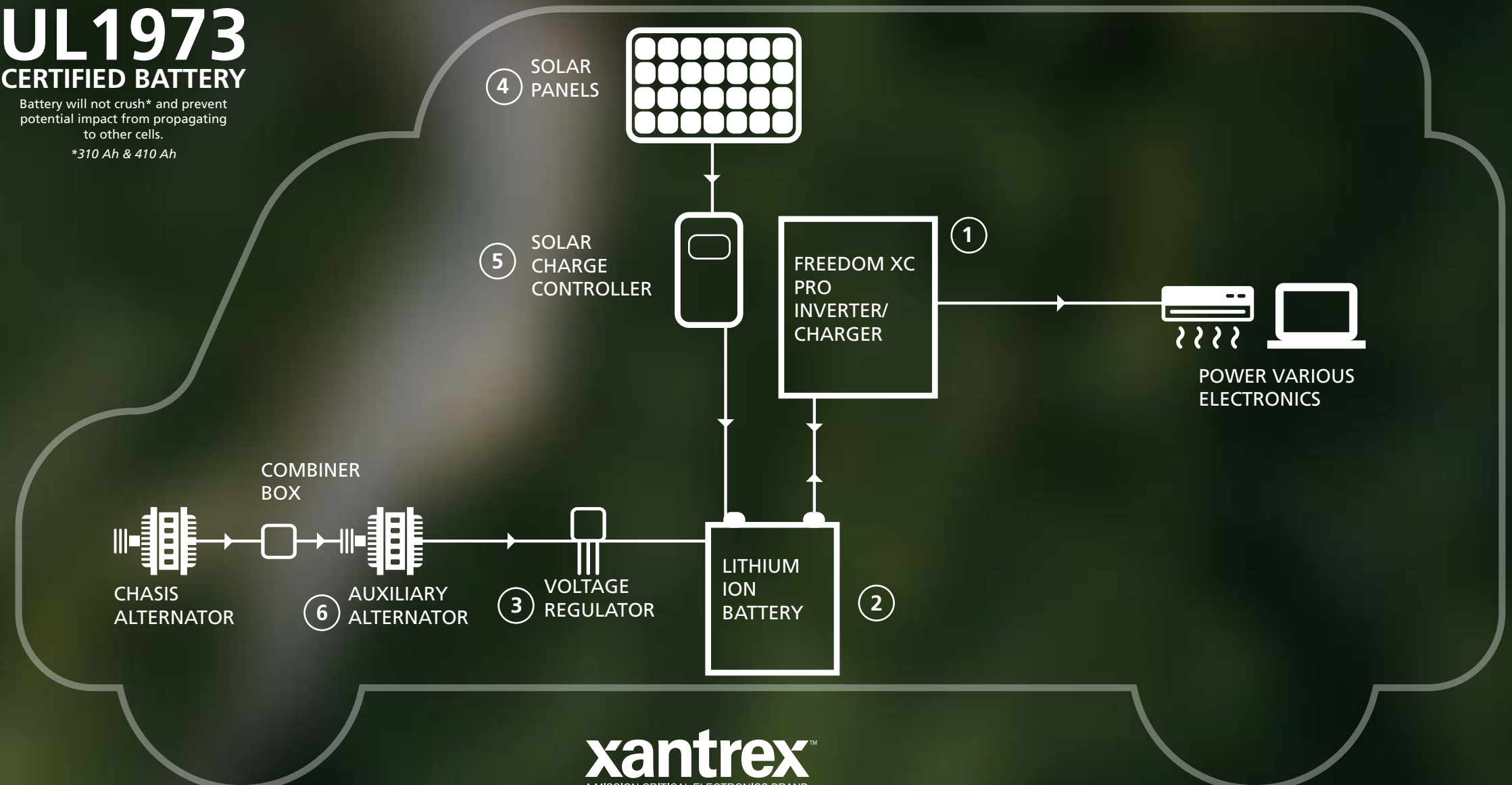
4  **XANTREX SOLAR PANELS**
MULTIPLE RIGID OR FLEXIBLE OPTIONS

5  **SOLAR CHARGE CONTROLLER**
MULTIPLE OPTIONS PWM OR MPPT

6  **AUXILIARY ALTERNATOR**
Part #: 882-0010-12

UL1973 CERTIFIED BATTERY

Battery will not crush* and prevent potential impact from propagating to other cells.
*310 Ah & 410 Ah



xantrex
A MISSION CRITICAL ELECTRONICS BRAND

*tested to 20,000lb crush test as part of UL1973 testing and evaluation