

# 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

## 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 trucks

## ELIMINATE ENGINE IDLING, GENERATORS, AND AIR POLLUTION

Let the job site run without any interruptions or delays  
Operators no longer have to worry about turning on a generator and resulting nuisance such as noise and air pollution

## ROI IN LESS THAN 3 YEARS

Initial upfront investment is easily off-set by savings in fuel, maintenance and battery replacements  
The increased uptime and productivity pays off way faster than you think

## MULTIPLE CHARGING SOURCES KEEP BATTERIES CHARGED

The alternator charges the battery when the truck is running  
The inverter/charger charges the battery when the truck is parked and plugged in and increase runtime of tools and electronics  
Solar continuously trickle charges batteries to further extend its service life and electronics runtime

**MORE INFO:**  
sales@xantrex.com

**CONNECT WITH US:**

 [www.xantrex.com](http://www.xantrex.com)

 [facebook.com/Xantrex](https://facebook.com/Xantrex)

 [@Xantrex](https://twitter.com/Xantrex)

 [youtube.com/XantrexTechnology](https://youtube.com/XantrexTechnology)



# FREEDOM eGEN

## NO MORE IDLING OR FREQUENT BATTERY REPLACEMENTS

### LOWER OVERALL OPERATING COSTS

Lithium ion storage powered solution is safe, powerful and efficient

Exceptional energy density

Solar option to enhance battery life

Virtually unlimited power for tools, compressors and other heavy loads

Boost uptime and productivity

Cleaner, greener alternative to using generators at job sites

EXCEPTIONAL SERVICE LIFE

**6000 CYCLES\***

\*up to 6000 under ideal conditions.



MCE VEHICLE POWER

# FREEDOM eGEN

In an already competitive business environment, maintenance costs are being driven up by frequent battery replacements, engine idling, power shortage, generator use, and downtimes. All while losing the confidence and satisfaction of customers with every single disruption or delay. The FREEDOM eGEN is the ultimate solution to boost uptime and productivity. It is a fully integrated system that offers virtually unlimited AC and DC power to run all types of power tools, compressors and other heavy equipment at job sites.

## SAFEST SYSTEM

Integrated solution with redundant safety features

- Lithium ion (LiFePO<sub>4</sub>) is the safest chemistry on the market today
- Reserve capacity warning to recharge
- Individual cell management ensures each cell is treated safely

## HELPS DOWNSIZE A GENERATOR OR EVEN ELIMINATE IT ALTOGETHER

No need to idle to power tools

- Operators can focus on their job without worrying about power shortage
- Elimination of noise and air pollution from a generator and engine idling

## FULLY CUSTOMIZABLE SYSTEM

Design and build a system to meet your exact needs

- Option to build 12V, 24V or 48V power system

## DEDICATED LITHIUM ION BATTERY BANK FOR JOBSITE TOOLS

Half the size and weight and engineered to last 6-8 times longer than traditional batteries

- A dedicated battery bank for jobsite tools dramatically reduces wear and tear on starting batteries
- The addition of optional solar further enhances batteries' service life

## LONGEST BATTERY LIFE

LiFePO<sub>4</sub> cell balancing and temperature control all contribute to the longest lasting batteries on the market

- Lithium ion (LiFePO<sub>4</sub>) is the safest chemistry on the market today
- Iron phosphate (LiFePO<sub>4</sub>) 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

- 

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

**LITHIUM ION BATTERY**  
MULTIPLE OPTIONS  
Part #: 884-0310-12
- 

**XANTREX SOLAR PANELS**  
MULTIPLE RIGID AND FLEX OPTIONS
- 

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

Additional components including voltage regulator and auxiliary alternator may be added to complete your system.

## UL1973 CERTIFIED BATTERY

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

