

xantrex™

Smart choice for power™






Eliminate Your Generator with



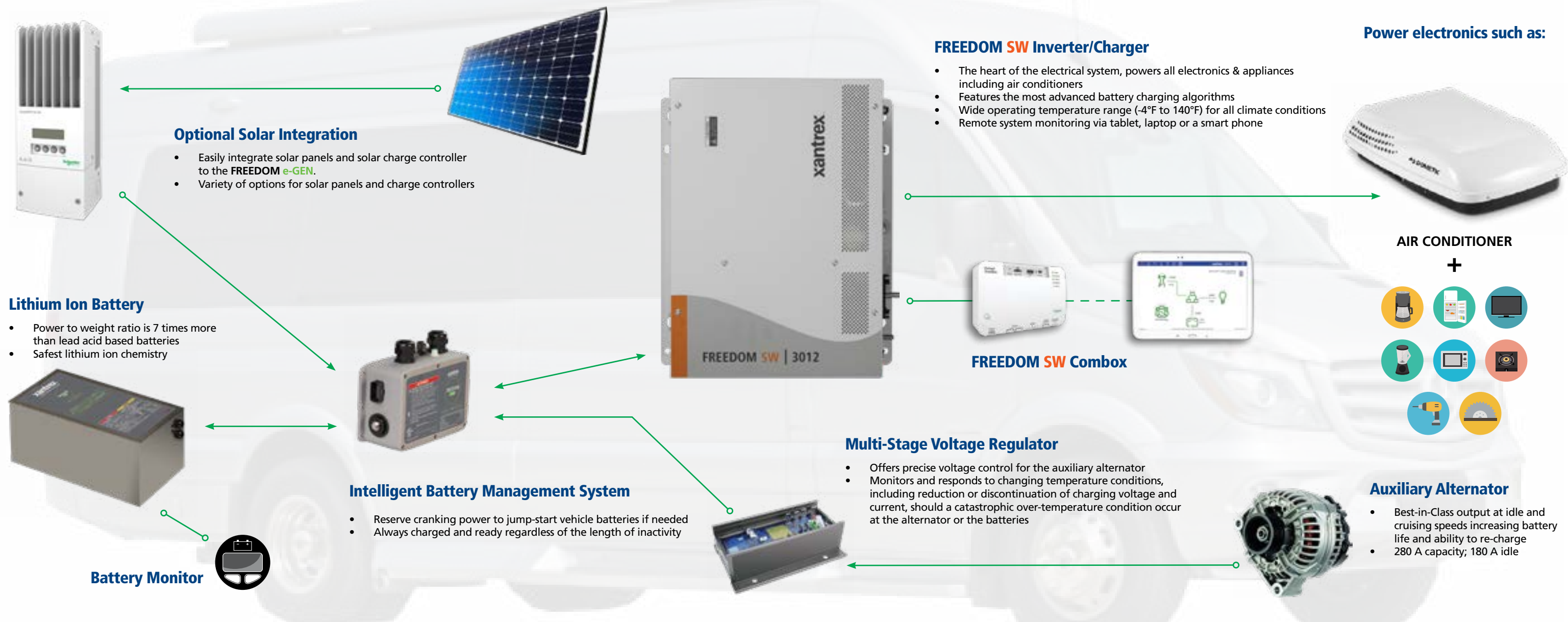
POWERFUL • SAFE • RELIABLE

The NEW FREEDOM e-GEN power system from Xantrex is the result of intense research, impeccable design, meticulous engineering, rigorous testing and most importantly – passion to create the best system!



-  **Longest** runtime
-  **Fastest** recharge times
-  **Eliminates** nuisances, noise, smell, and vibration of a generator
-  **Safest** system
-  **Longest** life

The **FREEDOM e-GEN** 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

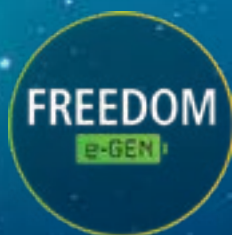
Integrated Solution With Redundant Safety Features

- Lithium ion iron phosphate (LiFePO4) is the safest chemistry on the market today
- Ion extinguish (ION-EXT) feature will stop thermal runaway
- Reserve capacity warning to recharge
- Individual cell management makes sure each cell is treated safely
- Separate thermal controls for charging and discharging
- Battery management system controls all charging sources

Longest Run Time and Efficiency

Highest Quality Lithium And Components – No Short Cuts!

- “A” grade lithium cells – not readily available in the usa
- Silver and copper throughout BMS and battery – others use aluminum (65% of copper) and nickel (22% of copper) to save cost



Fastest-Engine 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
- 20% Lighter with 50% more output than traditional alternators
- Multi-step programmable regulator

Longest Battery Life

LiFePO4, Cell Balancing, A-Grade Cells, And Temperature Control All Contribute To The Longest Lasting Batteries On The Market

- Iron phosphate (LiFePO4) chemistry has twice the cycle life and calendar life than nickel cobalt based chemistries (NMC/NCA)
- LiFePO4 can be left at 100% state-of-charge (SOC) without degrading. NMC cannot or the battery will degrade rapidly
- No cell is ever overcharged!
- A-grade cells naturally have more pure materials and lower impedance and will last longer
- Temperature control protects the battery from charging and discharging at unsafe temperatures which will degrade the battery

xantrex™

Smart choice for power™



Available as an optional equipment on select Class B motorhomes of:



MIDWEST
AUTOMOTIVE DESIGNS

ABOUT XANTREX

- **35+ Years** of designing, engineering & manufacturing AC power solutions
- **One of the first** to manufacture inverters for RV manufacturers back in the 90s
- Launched the **first inverter/charger** for RVs in 1992
- Home to North America's **largest & most advanced** inverter testing lab



- Xantrex inverters go through **H.A.L.T.** (Highly Accelerated Life Testing), an extremely effective **product evaluation** method that our engineers use to validate the robustness of each electronic / mechanical design
- Products are subjected to **extreme thermal and mechanical stresses** which allows us to identify and correct any subtle design issues early in the product development stage resulting in **improved reliability** and performance

