

The FREEDOM e-GEN is a fully integrated system that offers the most reliable AC and DC power t charging lithium ion batteries from multiple sources. The most compelling benefit is the freedon



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

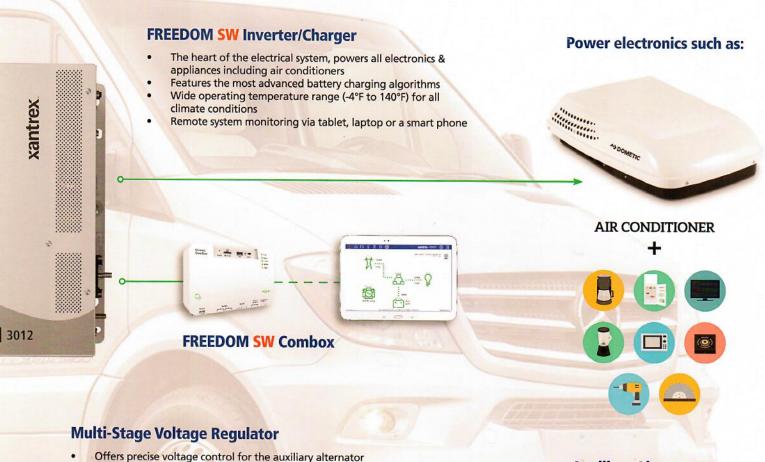
Longest Run Time and Efficiency

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



o run an air conditioner and other high power loads in all climate conditions and precise battery management for accurately and confidence it offers RVers to enjoy dry camping adventures without worrying about batteries or power.



 Monitors and responds to changing temperature conditions, including reduction or discontinuation of charging voltage and current, should a catastrophic over-temperature condition occur at the alternator or the batteries



Auxiliary Alternator

- Best-in-Class output at idle and cruising speeds increasing battery life and ability to re-charge
- 280 A capacity; 180 A idle

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