



VEHICULAR LITHIUM IRON PHOSPHATE BATTERY (LiFePO₄)

ElectricFuel's Lithium Iron Phosphate Vehicular Battery family of products is the optimal replacement for Lead-Acid batteries. Being 2 times lighter and offering 30% more power than a similar Lead-Acid battery, this battery pack is designed to serve a wide range of applications in the automotive, military and marine environments - wherever the conditions are tough and reliable and clean energy is needed.

Based on Lithium Iron Phosphate electrochemistry, together with its integrated battery management system, this robust battery delivers powerful performance, long operational life, and most cost-effective life cycle cost, at the highest safety standards.

ADVANCED POWER

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BENEFITS

- 85% life cycle cost savings compared to Lead-Acid battery of a similar format
- 55% lighter than the equivalent Lead-Acid battery
- Maintenance free
- Ruggedized and robust – optimal for military environment
- Operationally proven in various global environments
- Smart Battery Management System (BMS) enables communication with host platform: state-of-charge, wellbeing and malfunction reports, temperature, etc.

FEATURES

- Cold crank performance equivalent to Lead-Acid
- 12V, 24V and large format 500V system architecture options
- Automatic shut-down in unsafe conditions
- LED battery status indicator
- Internal cell-balancing
- Sizes: BCI Group 27, Group 49 and customized



APPLICATIONS

AUTOMOTIVE

Recreational vehicle, electric vehicle, lead acid replacement, forklifts, golf carts, etc.

INDUSTRIAL

Automated warehouse, robotics

OFF GRID STORAGE AND UPS

Renewable energy systems, hybrid power generators, home and industrial UPS

MEDICAL

Medical cart, hospital bed

MILITARY

Heavy and armored vehicles, mobile surveillance systems, field off grid energy storage

MARINE

Electric boats, back up batteries

COMPANY PROFILE

Electric Fuel is the industrial and medical brand of Epsilon-Electric Fuel Ltd., a world leader in the development and production of mobile power products. Experts in a wide range of electrochemistries, including Lithium Ion, Lithium Polymer, and Zinc Air, and working with clients from the medical, automotive and aerospace sectors, Epsilon-Electric Fuel has the broad-based experience needed to create the optimal portable power solution for the most challenging applications.

Epsilon-Electric Fuel is part of the power systems division of Arotech Corporation (Nasdaq: ARTX). The division operates from R&D and manufacturing facilities in the United States and in Israel.

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