

Building the Future of Batteries

LICERION® RECHARGEABLE
BATTERIES

The Next Rechargeable Battery

OUR MISSION

Sion Power's mission is simple — to produce a state-of-the-art energy storage system that addresses the future needs of the electric vehicle and aerospace markets—today. The result of pursuing this mission is the creation of Licerion.

Licerion technology is backed by over thirty years of research and development into battery technology. This cumulative knowledge base has fostered the development of Licerion and Sion Power's unique approach to providing industries with the next rechargeable battery.

The world is demanding more diverse energy sources and less reliance on combustion engines. At Sion Power, we believe Licerion rechargeable battery technology is an important part of the solution.

WHAT IS LICERION®

Licerion is based on a proprietary lithium metal anode and a system of redundant protection mechanisms. The result is a safe cell with exceptionally high energy.

Licerion is compatible with most cathode materials and allows cells to be engineered for specific application needs.

Licerion is a hybrid between today's lithium-ion and tomorrow's solid-state batteries. It has the advantages of solid-state, but it is available today.

THE VALUE OF LICERION

Licerion batteries will enhance the performance of electric vehicles and enable new aerospace applications. It provides the highest combination of specific energy, energy density, cycle life, and safety available today.

CAPABILITIES

Sion Power has extensive research and development and test capabilities supporting manufacturing.

The company's analytical, materials, and electronics laboratories have state-of-the-art equipment and personnel.

The manufacturing capability includes an advanced anode line, cathode processing, complete pouch cell assembly, and battery pack assembly. In addition, Sion Power has over 2,000 test channels and a comprehensive safety test facility.

Sion Power can quickly develop, test, and manufacture cells and packs to meet the requirements of our customers.

TECHNOLOGY ASSURANCE

Sion Power has over 470 international patents and patent applications in critical areas including anode, electrolyte, cathode, separator, and battery pack.

Markets & Products

A high-energy, ultra-light-weight energy source is needed for many applications. **Licerion's** key markets includes electric mobility, aerospace, and un-crewed vehicles.

EMOBILITY

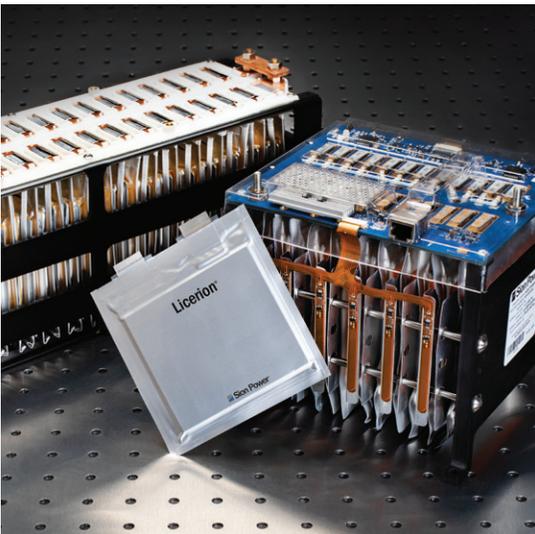
Licerion Electric Vehicle (EV) is the solution for next-generation electric vehicles. Verified through third-party testing, Licerion-EV meets or exceeds automotive requirements for batteries. Key attributes are fast charge capability, long cycle life, and broad temperature range capability in a 400 Wh/kg 780 Wh/L, 17.4 Ah pouch cell.

AEROSPACE

Licerion High Energy (HE) was designed to meet the requirements of multiple aerospace applications including HALE/HAPS, rocket motors, un-crewed aerial vehicles, and others. This high-energy, lightweight pouch cell boasts 490 Wh/kg and 900 Wh/L with an impressive 5C pulse discharge rate capability.

TOTAL ENERGY SOLUTIONS

Sion Power has developed a proprietary battery system offering multiple levels of protection to ensure safe operation resulting in a robust and reliable, next-generation energy solution.



Connect with Us

Sion Power offers a variety of battery solutions. Contact us to discuss your project requirements.

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SCAN ME