



Highest Energy Density **A-LFP** Chemistry

- + License Available for Battery Cell Production
- + Implement on New & Existing Production Lines
- + Format Agnostic A-LFP Chemistry
- + Lowest Cost-Per-Unit Battery

Enabling Automotive OEMs To Produce A-LFP Battery Cells

A-LFP Battery Solution

ACE creates industry-leading LFP battery cell technologies that are transferable to our licensees. Our *A-LFP Chemistry* is a complete battery cell solution designed for implementation within our licensed customer's new or existing battery cell manufacturing facilities. A-LFP Chemistry is produced using industry-standard equipment and readily-available materials.

Technology Licensing

ACE's Licensing Model enables Automotive OEMs, Battery Cell Manufacturers, and other global companies to bypass the high costs, operational risks, and resource requirements of internal R&D initiatives and produce world-leading A-LFP cells today.



Implementation on Existing Production Lines

ACE's Technology Implementation Team has decades of experience scaling-up LFP cell manufacturing facilities, training production line staff, and implementing Quality Assurance. Our team implements A-LFP Chemistry on our licensee's new and/or existing battery production lines. We ensure high-quality production on industry-standard equipment.

TECHNOLOGY LICENSE AVAILABLE:

A-LFP Chemistry

30% Higher Energy Density, Safe Battery Chemistry

A-LFP delivers what others claim to achieve but cannot deliver: safe, high-Energy Density lithium iron phosphate (LiFePO₄) cell technology that is cell format-agnostic and compatible with today's standard production equipment.



Sample Cells Available for
Performance Testing

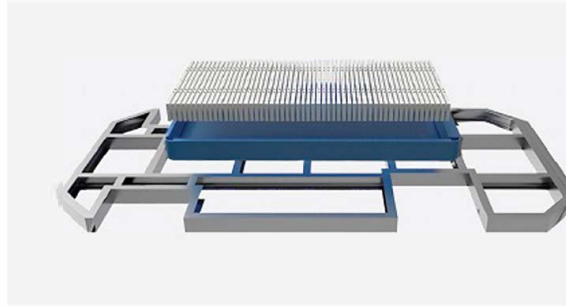
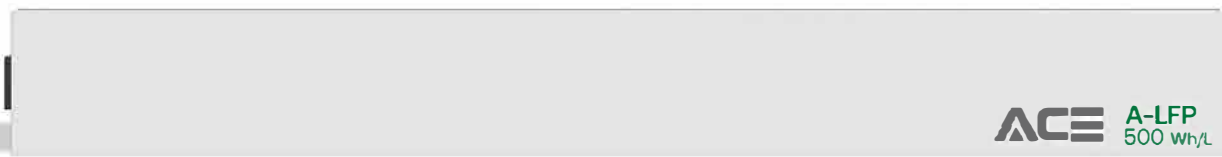
Chemistry Attributes	Specifications	Customer Benefits
High Energy Density	400 Wh/L (+30%)	30% More Driving Range
Long Cycle Life	4,000 Cycles	Longer Lasting Battery
Improved Safety	Improved Thermal Stability	Reduces Risk of Battery Fire
Cost Effective	Lowest Cost / Energy	Affordable EVs
Format Agnostic	Custom Cell Specs	Meets Any Requirement
Standard Equipment	Existing Production Lines	Production-Ready Today



Cell Format Designs

Large Prismatic Cells Maximize A-LFP Energy Density

ACE Large Prismatic Cells maximize the performance of A-LFP Chemistry, offering significant improvements to the battery cell's energy density and safety profile.



Designed as customizable to meet licensee requirements for cell-to-pack EV integration, adding strength and safety to the electric vehicle chassis.

ACE Cell Format	Energy Density	Increased EV Driving Range
2.5 Ah Pouch Cell	400 Wh/L	+ 30% 
320 mm Prismatic Cell	480 Wh/L	+ 56% 
500 mm Prismatic Cell	490 Wh/L	+ 59% 
1000 mm Prismatic Cell	500 Wh/L	+ 63% 

Battery Materials

Electrolyte Technology

ACE Custom Electrolyte Formula & Enhanced Electrolyte Additives create safe, high-voltage properties that boost the energy density of the battery.



Anode & Cathode Powder

ACE created high-quality nanoscale A-LFP cathode and anode powders that increase the energy density of battery cells.



Highest Energy Density **A-LFP** Designed for Implementation on Existing Production Lines

Complete A-LFP Battery Solution

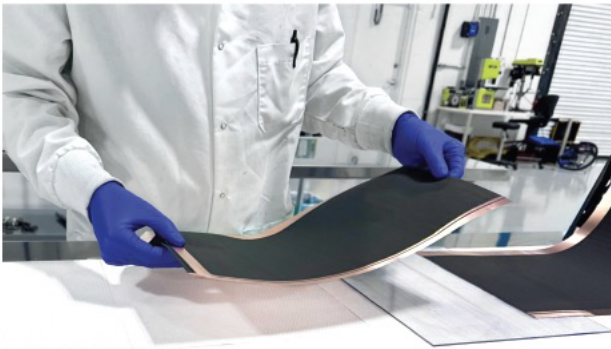
A-LFP chemistry is designed for implementation within our Licensed Customer's new and/or existing cell production facilities, using readily available materials and standard production equipment.



Lowest Cost Per Unit of Energy

ACE has lowered A-LFP battery cell production costs for Licensed Customers by using cost efficient materials, defining the cost of acquiring innovative battery technology, and eliminating internal R&D capital expenditures.

The Safe Battery



Benefits of Licensing A-LFP Chemistry

Defines Cost of Innovation

ACE's Technology Licensing Model defines the cost of acquiring innovative technologies, eliminating uncertain capital and resource requirements of internal R&D.

Eliminating R&D Operational Risks

ACE's Implementation Team transfers A-LFP Technology to our Licensed Customers through a comprehensive **Production Line Integration Process**.

Accelerated Speed to Market

A-LFP Chemistry is a rapidly scalable battery solution designed for high-volume battery cell production on existing manufacturing lines that use industry-standard equipment and readily available materials.

Production Staff Training

ACE's Implementation Team transfers A-LFP Technology to our Licensed Customers through a comprehensive **Production Line Integration Process** and a thorough **Staff Training Program**.

Access to Elite Battery Expertise

Access to lithium-ion know-how from experts with decades of real-world experience.

