

Major segments within the market include lithium-ion batteries, lead-acid batteries, and other emerging technologies like solid-state batteries. Leading players like CATL, BYD, Panasonic, LG Chem, and Samsung SDI are ...

The lead-acid battery segment currently holds a larger market share, but the lithium-ion segment is witnessing faster growth due to its superior performance characteristics, longer lifespan, and ...

Commercial production is expected to begin by late 2027. The plant has been rolling out lithium-ion batteries using cathode materials, namely nickel, cobalt and manganese, to produce LFP ...

The global lithium-ion battery polyolefin separator market is experiencing robust growth, driven by the escalating demand for electric vehicles (EVs) and energy storage systems (ESS). The ...

Key Report Takeaways By battery type, lithium-ion commanded 88.6% of the battery energy storage system market share in 2024, while Lithium Iron Phosphate (LFP) is projected to expand at a 19% CAGR through 2030.

Under the deal, EcoPro Innovation will supply up to 6,000 tons of Korean-made lithium hydroxide to SK on by the end of this year. The volume is sufficient for batteries to power roughly ...

Battery Electrolytes Market Battery Electrolytes Market Analysis & Forecast by Type, End-Use, and Region through 2035 The global battery electrolytes market is estimated to record sales of USD 4.55 billion in 2025 ...

The global market for Lithium-ion Batteries (LIBs) Electrolyte Additives is experiencing robust growth, driven by the burgeoning demand for electric vehicles (EVs), energy storage systems ...

A research team in South Korea has developed a breakthrough transfer printing technology that forms protective thin layers on lithium metal surfaces--an innovation poised to solve the long-standing dendrite issue plaguing next ...

This new approach avoids the use of harmful solvents and prevents damage to the sensitive lithium, solving some of the biggest problems that have held back lithium-metal battery development for years.

According to the Korea International Trade Association, 82.7 percent of Korea's lithium hydroxide imports came from China last year. Korean-made lithium hydroxide qualifies for the Advanced ...

The global market for lithium-ion battery negative electrode water-based binders is experiencing robust growth, driven by the increasing demand for electric vehicles (EVs) and energy storage ...

The global lithium-ion battery electrode coater market is experiencing robust growth, driven by the burgeoning electric vehicle (EV) industry and the increasing demand for energy storage ...

Amita Technology, a local Thai company and the first lithium-ion battery gigafactory in ASEAN, is committed to completing Thailand's electric vehicle (EV) ecosystem by developing battery manufacturing from upstream to ...

The Aluminum Plastic Film for Soft Pack Lithium Ion Battery market is experiencing robust growth, projected to reach a market size of \$1448 million in 2025 and exhibiting a Compound Annual ...

Global Lithium Ion Battery Cathode Materials Market Benchmarking 2025-2031 &quot;The Lithium Ion Battery Cathode Materials market in the Chemicals and Materials segment is set to reach USD ...

The automotive industry's growth, particularly in geographies such as China, Europe, and North America, significantly contributes majorly for the growth of lithium ion battery market. The surge in electric vehicle production, ...

North America and Europe are also experiencing significant growth, driven by increasing EV adoption rates and investments in renewable energy infrastructure. Despite the restraints, the ...

The global battery separator market is set to grow from USD 14.16 billion in 2025 to approximately USD 54.71 billion by 2034, expanding at a CAGR of 16.20%. This growth is fueled by the rising adoption of lithium-ion batteries ...

Global Lithium Ion Battery Electrolyte Market Challenges 2025-2031 &quot;The Lithium Ion Battery Electrolyte market in the Energy and Power segment is set to reach USD 12.37 billion by 2031, ...

Building on the success of its previous Li-ion solution, Kalmar's Gen 2 battery technology has been developed to meet the growing demands of customers seeking safer, more efficient and ...

Additionally, advancements in battery technology, particularly in lithium-ion batteries, are enhancing energy density, durability, and charging capabilities, further driving market growth. The automotive battery market in ...

Sodium is more than 500 times more abundant than lithium, which is available in a few countries. Sodium-ion battery charges faster than lithium-ion variants and have a three times higher lifecycle. However, sodium-ion ...

In a major advancement for electric vehicle (EV) battery technology, a South Korean research team has developed a revolutionary transfer printing method that applies protective layers onto lithium metal anodes--dramatically ...

The ongoing research and development efforts to enhance binder efficiency and sustainability are expected to further drive market growth, making water-soluble binders a crucial component in the advancement of lithium-ion battery ...

The Lithium-Ion Battery Negative Electrode Material Market presents a wide array of opportunities fueled by digital innovation, shifting industry dynamics, and evolving consumer demands.

In Korea, technologies for ensuring lithium battery safety are evolving as well. Hyundai Mobis developed a technology to prevent battery overheating last year, and in April, it unveiled an ...

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