Riga lithium-ion battery technology

This initiative is part of the £2.5billion DRIVE35 programme supporting UK EV manufacturing supply chain and creating jobs in a sustainable industry. Clean tech innovator Mint Innovation ...

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 ...

Exide charts growth path with focus on lead-acid, lithium-ion batteries Sustainability is embedded in our operations from green energy adoption and eco-friendly products to expanded recycling capacity and green logistics, Roy ...

July 2, 2025 Vanadium Redox Flow Batteries: A Safer Alternative to Lithium-Ion Technology As the global push for renewable energy accelerates, the demand for safe, sustainable, and ...

A 48V lithium ion battery 200Ah is a powerful, high-capacity battery designed for demanding applications like solar, electric vehicles, and industrial uses. It offers long lifespan, fast ...

A Cleaner, Cheaper Way to Make High-Performance Lithium-Ion Batteries A new breakthrough in battery chemistry could eliminate the use of cobalt and nickel in lithium-ion batteries.

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 ...

A team of Chinese researchers has made a groundbreaking breakthrough to revive aging lithium batteries by injecting a "shot" of lithium ions, potentially extending their lifespan from the typical 6-8 years or 1,000-1,500 ...

"Receiving the 2025 IEEE PELS Energy Storage Innovation Award validates the ViPER team''s breakthrough in enabling lithium-ion batteries to operate reliably below -100°C, paving the ...

Two projects led by the University of Oxford have received a major funding boost from the Faraday Institution, the UK''s flagship institute for electrochemical energy storage research. The funding is part of a £19 million ...

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 ...

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Tesla is once again making headlines with its innovative approach to electric vehicle (EV) battery technology. The introduction of Tesla"s new lithium-iron-phosphate (LFP) battery tech marks a ...

Potassium-ion batteries store more energy than sodium-ion options, making them ideal for large-scale green energy storage, according to a summary of recent research at Dongguk University ...

Battery Breaking-News Headlines Trump slaps a 93.5% tariff on crucial China graphite; Stellantis lost $2.68 billion in H1; MG"s hatchback features a semi-solid EV battery, a global first; US battery facilities move from EV to ...

In a major step forward for sustainable energy technology, researchers at Worcester Polytechnic Institute (WPI), led by Professor Yan Wang, William B. Smith Professor of Mechanical and ...

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 ...

Lithium-ion technology offers a smarter, more sustainable alternative. Li-ion batteries deliver up to three times the service life of conventional systems, require no maintenance, and eliminate the ...

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