

Octillion Power Systems, a California-based supplier of high-density lithium-ion battery packs for electric vehicles of all types, has expanded its existing partnership with Vision Marine ...

Key policy opportunities for these countries lie in building domestic green mineral value chains, particularly in lithium-ion battery production, green manufacturing (including agro-processing) and hydrogen technologies, while also ...

Here are a couple of key lithium battery technology: Solid-State Batteries: A newer type of battery with the potential for more energy and better safety. Advanced Battery Management Systems ...

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 ...

Kalmar has introduced its second-generation lithium-ion (Li-ion) battery solution for its range of electrically powered counter balanced equipment: reachstackers, empty container handlers ...

This study assesses the material, environmental, and economic performance of closed-loop lithium-ion battery (LIB) recycling amid China's electric vehicle ambitions, indicating that a ...

Advancements in battery technology and supportive policies help reduce emissions and promote energy efficiency, significantly impacting global EV adoption. This paper explores the material ...

MASSIMO unveils the MileMax Lithium-ion E-rickshaw Battery, boasting long battery life and zero maintenance. The launch signifies a commitment to sustainable mobility with smart ...

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 ...

The legacy lithium-ion battery technology that dominates the market for drones and other defense applications requires cobalt, nickel, manganese, and graphite--materials that flow through ...

This video examines metal-air battery technology that may enable electric vehicles to achieve ranges exceeding 1000 miles, addressing concerns about range anxiety and lithium-ion battery safety ...

A 48V lithium ion battery 200Ah is a powerful, high-capacity battery designed for demanding applications

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like solar, electric vehicles, and industrial uses. It offers long lifespan, fast ...

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 ...

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 ...

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.

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 ...

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 ...

Russian state corporation Rosatom has announced its intention to fully localize the production of lithium-ion batteries within Russia by the year 2030. This ambitious announcement followed ...

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 ...



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