

China has recently imposed export restrictions on technologies essential for the production of electric vehicle (EV) batteries, aiming to strengthen its dominance in the global EV sector. The ...

Italtvolt is Italy's first large-scale battery manufacturer, launching a 45 GWh facility in Scarmagno by 2025. Specializing in NMC lithium-ion cells for EVs and energy storage, it utilizes XFC and solid-state technologies, supporting sustainable ...

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 ...

Graphite ore in mine. (credit: RHJ/iStock) China controls more than 95% of the global supply of battery-grade graphite, the largest component by weight in lithium-ion batteries. China's low ...

GM's big bet on affordable EV batteries is here General Motors is significantly reducing electric vehicle prices by adopting lithium iron phosphate (LFP) battery technology, which has been ...

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 ...

Solid state batteries (SSBs) have long been anticipated as a significant breakthrough in battery technology. Recent advancements from companies like QuantumScape and Solid Power indicate that ...

These five battery technologies could be poised to challenge lithium-ion in EVs. Let's touch upon their workings, advantages, and drawbacks to see if they could shape a sustainable future for ...

High upfront costs associated with advanced reconfigurable battery systems Integration complexity with existing infrastructure and varying battery chemistries Competition from low ...

Ryobi batteries are primarily manufactured in China, with additional production facilities in Vietnam and other global hubs. If you rely on Ryobi power tools for DIY projects or professional work, knowing where their batteries come from ...

China has imposed export restrictions on eight key EV battery technologies as the country seeks to consolidate its dominance in the global EV race. The move makes it harder for Chinese ...

This study assesses the material, environmental, and economic performance of closed-loop lithium-ion battery



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(LIB) recycling amid China's electric vehicle ambitions, indicating that a ...

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 ...



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