

Kalmar has announced the launch of its second-generation lithium-ion (Li-ion) battery technology, bringing a significant performance boost to its lineup of electric counterbalanced cargo ...

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 ...

Scientists' new mathematical x-framework allows unlimited customization of full concentration gradient (FCGs) with independent parameter control, leading to lithium-ion batteries with ...

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 ...

China has put export restrictions on technologies critical for producing electric vehicle batteries, in a move to consolidate its dominance in the sector that has contributed to the country's ...

China's Ministry of Commerce recently announced new export restrictions on "battery cathode material preparation technologies," along with five lithium refining technologies and overseas ...

General | July 18, 2025 China puts export restrictions on 8 key EV battery technologies Any overseas transfer of these technologies through trade, investment or technological cooperation ...

Solid state battery maker QuantumScape is set to receive the first payments in a new deal with Volkswagen as it burns cash in the development of its lithium metal battery cells. QS has also signed another deal with an unnamed global ...

Integration with Existing Infrastructure: Transitioning from lithium-ion to solid state technology will require significant changes in battery production lines and potentially in how devices and vehicles are designed to accommodate these ...

The Amplify Lithium & Battery Technology ETF (BATT) is an exchange-traded fund that mostly invests in stocks based on a particular theme. The fund tracks a market-cap-weighted index that invests in global advanced ...

In a significant move towards scientific collaboration, the University of Sargodha (UoS), Pakistan, and China's Zaozhuang School of Technology (ZST) have signed a memorandum of ...

Lithium battery technology news

What is Lithium BESS? A Battery Energy Storage System (BESS) stores electrical energy for use when needed. Modern BESS units are powered by lithium batteries, the same technology that powers your smartphone or electric ...

Chinese battery maker Gotion showcases its battery cells at the 2023 China International Energy Storage and Lithium Battery Technology Exhibition in Shanghai in July. [Photo/VCG] In response to growing demand ...

It marked the first successful application of transfer printing in lithium-metal battery protection--and it worked spectacularly. In earlier tests, the alumina-gold layer kept dendrites ...

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.

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