

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 ...

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 ...

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 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 ...

The lithium battery industry is changing quickly. To stay competitive in 2025, distributors need to be on top of new lithium battery technologies. From fresh innovations to shifts in regulations, ...

Learn why 12V lithium phosphate battery (LiFePO₄) technology is ideal for solar, RV, marine, and portable power uses. Discover key benefits like safety, long lifespan, and lightweight design.

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 ...

Looking beyond Li-ion, alternative battery technologies are being explored to overcome the limitations of Li-ion batteries. Even though the Li-S battery systems still use lithium as a basis, ...

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

Nextrode - Lithium ion battery electrode manufacturing Nextrode researchers are developing new tools, including pre-production design and manufacturing simulation, process diagnostics, and feedback control, to ...

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 ...

The disposal of lithium-based drone batteries presents a significant environmental challenge due to the presence of heavy metals and hazardous substances. Effective management strategies ...

Exide Industries is strategically positioning itself for growth in energy storage by focusing on both lead-acid and lithium-ion batteries, with significant investments in innovation 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 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 ...

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This study introduces DL-SBM, a deep learning surrogate model for fast and accurate prediction of lithium-ion battery behavior. Trained on synthetic electrochemical data, DL-SBM predicts ...



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