

The global lithium-ion secondary battery market is experiencing robust growth, driven by the burgeoning demand for electric vehicles (EVs), energy storage systems (ESS), and portable ...

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 ...

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 ...

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.

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 ...

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 sustainability.

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 ...

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 ...

This article examines the advancements in lithium-ion battery technology, focusing on material selection and recycling strategies to support this transition. Electric vehicles utilize an on-board ...

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

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 ...

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 ...



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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 ...

Graphene batteries and lithium-ion batteries are two of the most talked-about technologies in the energy storage industry. Both have their own unique properties and advantages, but which one is better? In this article, I will ...



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