Malabo lithium-ion battery technology

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 ...

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.

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 ...

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 ...

Efficient lithium battery recycling solutions directly combat resource depletion, reduce reliance on volatile mining markets, lower the carbon footprint of new batteries, and ensure ...

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 ...

Lithium-ion batteries (LIBs) are central to the urgent societal need to decarbonize both transportation and energy storage on the grid. Unfortunately, despite their attractive ...

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 ...

Researchers have found a new, scalable method to recycle lithium-ion batteries that tackles two major challenges: the growing volume of battery waste and global demand for critical materials used in electric vehicles and other clean energy ...

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 ...

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 ...

Researchers have developed a new, scalable process for recycling lithium-ion batteries which recycles critical metals from spent battery cathodes into new, high-performance cathode ...

Exide charts growth path with focus on lead-acid, lithium-ion batteries Sustainability is embedded in our operations from green energy adoption and eco-friendly products to expanded recycling capacity and green logistics, Roy ...

Indonesia"s Scorpene variant will feature the Full Lithium-Ion Battery (LiB) propulsion system--a breakthrough technology that places Indonesia among the first countries outside Europe to integrate this next-generation power solution ...

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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