

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 ...

Sodium is more than 500 times more abundant than lithium, which is available in a few countries. Sodium-ion battery charges faster than lithium-ion variants and have a three times higher lifecycle. However, sodium-ion ...

Australians and Americans alike are eyeing the potential lithium and tantalum resources at the Kenticha mine, located in the territory under Abdisa's administration, 550km south of Addis ...

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 ...

Updated 1st July 2025 - The Red Sands Battery Energy Storage System (BESS), set to be Africa's largest of its kind, has officially reached commercial close. Developed by Globeleq, which is 30% owned by Norfund, in partnership with ...

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 ...

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 ...

Battery Breaking-News Headlines Trump slaps a 93.5% tariff on crucial China graphite; Stellantis lost \$2.68 billion in H1; MG's hatchback features a semi-solid EV battery, a global first; US battery facilities move from EV to ...

The progress made in lithium-ion battery technology has significantly altered the energy storage sector, providing practical and sustainable options for various applications. Lithium-ion ...

The global lithium-ion battery market for all-electric vehicles (EVs) is experiencing robust growth, driven by the escalating demand for electric vehicles worldwide. Governments' stringent emission regulations and

increasing consumer ...

Advancements in battery technology and supportive policies help reduce emissions and promote energy efficiency, significantly impacting global EV adoption. This paper explores the material ...

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 ...

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 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 ...

MASSIMO unveils the MileMax Lithium-ion E-rickshaw Battery, boasting long battery life and zero maintenance. The launch signifies a commitment to sustainable mobility with smart ...

Learn why 12V lithium phosphate battery (LiFePO<sub>4</sub>) technology is ideal for solar, RV, marine, and portable power uses. Discover key benefits like safety, long lifespan, and lightweight design.



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