

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 ...

Kalmar has unveiled its second-generation lithium-ion (Li-ion) battery solution designed for its range of electrically powered counterbalanced equipment, including reachstackers, empty ...

The California-based firm, backed by automotive giant Stellantis, is betting on lithium-sulfur (Li-S) batteries as the future of electric mobility. Unlike conventional lithium-ion batteries, Li-S chemistries don't rely on materials like cobalt, nickel, ...

New smart sensors can help detect dangerous internal failures in lithium-ion batteries before they escalate into fires or explosions, say researchers from the University of Surrey. Lithium-ion ...

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 ...

The Company has extensive IP and designs, develops and manufactures proprietary lithium-ion batteries and battery systems for energy storage and heavy duty electric vehicles based on its ...

Aceleron Energy Funding: \$10.6M Aceleron is using new battery technology to create the World's first recyclable, upgradeable and serviceable lithium-ion batteries to drive the global circular economy.

Building on the success of its previous Li-ion solution, Kalmar's Gen 2 battery technology has been developed to meet the growing demands of customers seeking safer, more efficient and ...

Safer, long-lasting lithium battery built with breakthrough method to boost EV efficiency FCG cathodes are synthesized via a coprecipitation method involving two tanks of metal precursor ...

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 ...

The demand for lithium-ion batteries is projected to grow significantly, driven by applications in EVs, BESS, and consumer electronics. The market is expected to expand from approximately ...

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 ...

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 ...

DRX cathode milestone brings most scalable cobalt-free lithium-ion battery to life DRX cathode materials, once unstable, are now battery-ready thanks to a two-step molten salt synthesis ...

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 ...

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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