SolarTech Power Solutions

The latest research and development of energy storage batteries

Overview

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Researchers have created a more energy dense storage material for iron-based batteries. The breakthrough could also improve applications in MRI technology and magnetic levitation. When three becomes five. Eder Lomeli, Edward Mu, and Hari Ramachandran (front row, from left) led an international team.

UNIVERSITY PARK, Pa. — Electrodes are the veins of batteries, responsible for harnessing and transporting the lifeblood of energy storage devices: electricity. Battery power and efficiency largely hinge on the performance of these electrodes — and now a team led by researchers at Penn State has.

The collapse of a $2.4B Chinese battery project in Michigan represents more than lost jobs—it's a missed opportunity to gain manufacturing expertise America needs to compete globally. What Critical Minerals Are Found in Lithium-Ion Batteries?

Discover why our panel of industry watchers claims.

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities. With demand for energy storage soaring, what’s next for batteries—and how can businesses, policymakers, and investors.

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