



New solar battery technology breakthrough

The global demand for electricity is poised to double by 2050, driven by electrification of transportation, heating, and industry. But simply generating more power isn't enough. The intermittent nature of renewable sources like solar ...

Engineering researchers at the University of Alberta have found a way to make rechargeable, environmentally friendly water-based batteries perform far better than those currently available.

Recent advancements in solar technology have the potential to revolutionize the industry, significantly lowering costs while enhancing efficiency. Researchers at the Fraunhofer Institute ...

This breakthrough battery tech could help EVs break the 1,000-mile range barrier - and give you a 190-mile boost in under four minutes Zeekr could soon launch the most powerful Chinese EV ...

IN A NUTSHELL ? Tribocatalysis uses friction to extract valuable metals like lithium and cobalt from spent batteries. ? This method is more eco-friendly, avoiding high temperatures and toxic ...

Lithium-ion batteries power our phones and electric cars, but their growing use has made lithium increasingly scarce. We need new ways to store power from wind and solar at a big enough ...

QuantumScape Soars 30%: What Drove the Next-Gen EV Stock's Rally -- QuantumScape Corp (NYSE: QS), a leading EV battery manufacturer, recently experienced a significant surge in its ...

In a quiet laboratory in Daejeon, South Korea, a breakthrough is unfolding--one that could change the future of batteries as we know them. Behind this transformative discovery is Dr. ...

This new technology outperforms conventional lithium-ion batteries in several key areas, including energy density, charging times, and lifespan. Compared to current systems, Innovate Energy's ...

A new type of battery, known as a quantum battery, is no longer just a theoretical dream. Thanks to a team from RMIT University and Australia's national science agency (CSIRO), the path ...

Solar-powered desalination system requires no extra batteries Because it doesn't need expensive energy storage for times without sunshine, the technology could provide communities with drinking water at low costs.

News Release US\$ 1.2 trillion in battery storage investments needed to support global renewable buildout



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Grid-forming battery technology emerges as critical solution for US\$5 trillion global ...

Bulk Pricing Advantage, Kampala Focus: Get genuine affordable solar storage for rural Uganda projects. Our significant bulk buy discounts on 5kWh solar batteries make large-scale ...

UDAIPUR, India, July 21, 2025 /PRNewswire/ -- Macsen Labs, a manufacturer of APIs, dyes, and specialty chemicals since 1952, has announced a major breakthrough in Sodium-Ion battery ...

A company called 24M Technologies may have just cracked the code for faster, more efficient EV batteries, according to a recent article. The company's new electrolyte, Eternalyte, promises to make charging an electric car four times ...

The new solar tech was made by a startup called ART-PV India, based at IIT Bombay. The trick lies in the design -- one layer of silicon, another of something called perovskite, stacked like a ...

An advancement in electric vehicle (EV) battery technology shows significant range and incredible charging speeds. Scientists from the Department of Energy's Oak Ridge National Laboratory ...



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