Latest battery technology breakthrough news

Overview

Ford's pleas for tariff relief were rejected; Southwest Airlines limits portable chargers onboard; Tesla plans a smaller, cheaper electric SUV; Sesotec enhances AI battery detection; GAC Aion unveils a $13,000 EV with 99-second battery swaps; and much more.

Latest battery technology breakthrough news

[New Graphene Technology Could Revolutionize Battery]

This breakthrough promises to significantly enhance the safety and performance of lithium-ion batteries (LIBs), addressing a critical challenge in energy storage technology. Published

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[Stanford Lithium Metal Battery Breakthrough Could Double the Range]

Stanford's breakthrough in lithium metal battery technology promises to extend EV ranges and battery life through a simple resting protocol, enhancing commercial viability. Next-generation

Technology News, Research & Innovations

Find the latest technology news and interesting research articles on breakthroughs in nanotechnology, biotechnology, green tech, and more.

[New Sodium Battery Design Works Even at Subzero Temperatures]

A new technique stabilizes a metastable form of sodium solid electrolyte, enabling all-solid-state sodium batteries to maintain performance even at subzero temperatures. All-solid-state

Battery Technology News

Battery Technology is the study and development of energy storage systems that power everything from smartphones and electric vehicles to renewable energy grids. This field explores the

Battery Technology News

With growing demand for sustainable energy solutions, researchers are pushing the limits of lithium-ion technology while exploring next-generation

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Battery Breakthrough: Scientists Double Performance With

A new dry electrode technology boosts zinc-iodine battery performance and stability, potentially reshaping how we store energy at scale. Credit: Shutterstock A dry-process zinc-iodine

11 New Battery Technologies To Watch In 2026

In this article, we will explore cutting-edge new battery technologies that hold the potential to reshape energy systems, drive sustainability, and

Batteries News -

Read the latest research on everything from new

longer life batteries and batteries with viruses to a nano-size battery.

Battery Technology News

Briefs: New Tech Debuts for EVs, Batteries, and Power Grids Tesla, Nissan, Lightyear, Toshiba, Electrified Thermal Systems, Ampacimon, and AP Sensing have made recent technical advancements.

[Scientists create new solid-state sodium-ion battery]

Researchers made the breakthrough while developing solid-state sodium-ion (Na-ion) batteries, which could one day supplement and replace the

[The 10 Biggest EV Battery Developments In 2025]

If you couldn't keep up with the battery news cycle this year, we don't blame you. These 10 stories paint a solid picture of what happened in the battery world in

[Sodium-ion EV battery delivers 11-min charging and 450 km range]

China's Beijing Automotive Group (BAIC Group) revealed its latest progress with the new battery tech this week. The company's R&D unit (BAIC R&D) shared on its WeChat account that it

[The Battery Breakthrough That Could Transform Electric Vehicles and]

Discover the cutting-edge of energy storage with solid-state batteries, where innovations in

inorganic solid electrolytes are enhancing safety and performance. This technology promises

New Battery Breakthrough Could Solve Renewable Energy

Planning to scale up While the team is currently focused on small, coin-sized batteries, their goal is to eventually scale up this technology to store large amounts of energy. If they are

Batteries , MIT News , Massachusetts Institute of

New insights into metallic cracks that harm battery performance could advance the longstanding quest to develop energy-dense solid-state batteries.

Safer, More Efficient Batteries? Scientists Uncover a Game-Changing

Young's team tackled the problem by better understanding the root cause. Using four-dimensional scanning transmission electron microscopy (4D STEM), the researchers examined the

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