

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

2025 was a massive year on the battery front, packed full of promising breakthroughs and disappointing setbacks. Below, we've compiled some of the biggest battery developments of the year.

Global battery research is redefining energy storage through new chemistries, safer designs, and scalable technologies worldwide.

Discover 10 Battery Storage Startups to Watch in 2026 and their cutting-edge solutions! From utility-scale BESS and second-life EV batteries to non-flammable lithium systems and solid ...

The lithium battery industry is rapidly evolving with innovative startups reshaping energy storage, mobility, and sustainability. From solid-state lithium-sulfur batteries to carbon-neutral ...

What's next for EV batteries in 2026 Expect to see new chemistries hitting the roads, a shifting policy landscape, and a renewed focus on cost and performance.

Longer-duration storage, safety-driven procurement and FEOC compliance are starting to push alternative chemistries closer to scale. The energy storage industry walked a bumpy road in ...

Advancements in energy storage systems (ESS) are important to attaining a sustainable and resilient energy future. Despite significant advancements in battery technologies, including ...

Developments in batteries and other energy storage technology have accelerated to a seemingly head-spinning pace recently -- even for the scientists, investors, and business leaders at ...

Summary: From solid-state to graphene, new battery technologies are emerging to rival lithium-ion, promising safer materials, faster charging, lower costs and longer lifespans for devices ...

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