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Title: New battery technologies making progress

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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.

Battery technology has advanced at extraordinary speed over the past decade, yet meeting the world's accelerating electrification needs will require both continued evolution of lithium ...

From solid-state to lithium-ion alternatives, battery technology leaped forward in 2024. As successful as lithium-ion batteries have become as an energy storage medium for electronics, EVs, ...

Many promising battery designs have stumbled on the road to commercialization, caught between cost, safety, and manufacturability. Still, breakthroughs like this push the boundaries of ...

Explores research trends and identifies key areas for innovation in next-generation battery technologies. Discusses battery applications in EVs, renewable energy storage, and portable ...

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.

Read the latest research on everything from new longer life batteries and batteries with viruses to a nano-size battery.

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.

Federal scientists are reducing the size of a fascinating battery as part of a materials analysis project they think can garner big results for energy storage.



New battery technologies making progress

Electric vehicles are on the verge of a battery revolution. New innovations are emerging that promise longer driving range, faster charging, improved safety, and lower costs for EVs.

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