

New solid-state battery for energy storage

215kWh

8,000+ Cycles Lifetime

IP54 Protection Degree



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[Scientists create new solid-state sodium-ion battery - they say it'll](#)

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

[Paving the way for the future of energy storage with solid-state](#)

Advances in solid-state battery research are paving the way for safer, longer-lasting energy storage solutions. A recent review highlights breakthroughs in inorganic solid electrolytes



Solid State Batteries for Solar Storage and EVs

This groundbreaking solid state battery replaces the volatile, flammable liquid electrolyte in conventional cells with a solid material, leading to dramatically increased energy density and safety.

[Solid-state batteries, their future in the energy storage and electric](#)

The solid-state battery (SSB) is a novel technology that has a higher specific energy density than conventional batteries. This is possible by replacing the conventional liquid electrolyte





Solid-State Battery: The Future of Energy Storage

A solid-state battery is a breakthrough in energy storage technology, offering higher energy density, improved safety, and longer lifespan compared to conventional lithium-ion batteries.

Introducing the hydride battery

Now researchers have developed the world's first solid-state, hydrogen-based battery that is rechargeable and works at room temperature (Nature 2025, DOI: 10.1038/s41586-025-09561-3).



All Current And Upcoming EVs With Solid-State Batteries

In this list, we're covering both semi-solid-state and all-solid-state batteries. Some of these EVs are already available in select markets, while others are planned to go on sale in the

[New solid-state sodium battery design could replace lithium in EVs](#)

Researchers in Canada have just unveiled a new solid-state sodium battery design that could potentially lead to cheaper, safer, and more sustainable energy storage systems.



[Elon Musk Announces All-New Solid State Battery For Tesla 2026](#)

Tesla's new solid-state battery, slated for release in 2026, is expected to feature incredible energy densities, faster charging times, and a

significantly improved safety profile.

[How solid-state battery technology is changing energy storage](#)

New battery technologies are proliferating as demand for safe and efficient energy storage solutions increases. Solid-state batteries (SSBs) represent a major advancement in energy storage



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