

Title: Sodium ion battery latest news

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Is Changan accelerating the Advancement of sodium-ion battery technology?

Changan is accelerating the advancement of sodium-ion battery technology as part of its global battery strategy. Tan Benhong, Chief Brand Officer of China Changan Automobile Group, noted that Changan will continue to roll out new sodium-ion battery-equipped vehicles across multiple brands in the near future.

Are sodium ion batteries better than lithium-ion?

Newly developed sodium-ion (Na-ion) batteries could offer much faster charging speeds, higher energy density and improvements in safety compared with conventional lithium-ion (Li-ion) batteries, scientists say.

Are Na ion batteries safe?

Na-ion batteries are safer than Li-ion batteries, as noted in a 2025 study by researchers at the Islamic University of Technology, Idaho State University, and University of Waterloo. This is because the stable sodium ions they contain are less prone to the chain reaction that causes Li-ion batteries to burn, or even explode, when damaged.

Could Na-ion batteries become more widely adopted?

In the real world, the results could help Na-ion batteries become more widely adopted for uses that require incredibly fast charging or discharging rates. For example, grid-scale battery energy storage systems would benefit from the capability to rapidly discharge energy on demand.

The Naxtra battery, more price-stable and cold-resistant than the lithium-ion units now powering most EVs, will undergo its first tests this week.

According to recent reports, the world's largest battery maker is accelerating plans for mass production of its sodium-ion lineup, branded Naxtra, with deliveries expected to begin in 2026....

Scientists have made a major leap toward making sodium-based all-solid-state batteries as powerful and reliable as lithium ones, but much cheaper and more sustainable.

Beyond EVs, sodium-ion batteries could reshape global energy dynamics. With no reliance on lithium or cobalt, countries like China, the U.S., and Europe could reduce dependence on ...

The key figure CATL mentioned this week is that its sodium-ion batteries, which have gotten up to 175

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Wh/kg of energy density, could be used in normal passenger electric vehicles ...

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...

Sodium-ion batteries are attracting major automakers including VW, Mercedes and Stellantis. The batteries are less expensive and perform better in cold weather than lithium-based rivals.

CATL and BYD double down on sodium-ion EV batteries To combat rising lithium prices, Chinese battery manufacturers are pushing for new types of battery chemistries, including sodium-ion.

CATL, which announced its first-generation sodium-ion battery in 2021, launched a sodium-ion product line called Naxtra in 2025 and claims to have already started manufacturing it at ...

Stay updated on sodium-ion battery technology developments, including new innovations and applications in energy storage.

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