

Company developing sodium solid state battery

What is a sodium battery?

Sodium battery companies specialize in developing energy storage systems using sodium-ion technology as a cost-effective, sustainable alternative to lithium-ion batteries. Key players include Faradion (UK), Tiamat (France), HiNa Battery Technology (China), Natron Energy (US), and Altris AB (Sweden).

Who makes solid-state batteries?

Contemporary Amperex Technology Co., Limited (CATL), the world's largest lithium-ion battery manufacturer, is making significant strides in solid-state battery development. With more than 1,000 researchers dedicated to the technology, CATL has invested in solid-state batteries for nearly a decade.

What are the top sodium-ion battery companies in 2025?

Here are the top sodium-ion battery companies in 2025: 1. Contemporary Amperex Technology Co., Ltd. (CATL) CATL stands at the forefront of Sodium-ion Battery innovation. The company's first-generation Sodium-ion Battery boasts an impressive energy density of 160 Wh/kg. Notably, it charges to 80% in just 15 minutes at room temperature.

Are solid-state sodium batteries sustainable?

Solid-state sodium batteries represent more sustainable options as they combine resource abundance with safety. This work advances their performance, particularly fast cycling lifespan, to an unprecedented level utilizing a hybrid electrolyte.

What companies use sodium batteries?

Chinese telecom giants like China Tower use sodium batteries for 5G infrastructure backup, while European automakers test them for low-speed EVs. Grid operators value their fire resistance for large-scale installations near urban areas. [How Are Startups Disrupting the Sodium Battery Market?](#)

Which companies are advancing solid-state battery technology?

Scaling production and reducing costs are key challenges before introducing it into the EV market. This week, EV Magazine highlights the top 10 companies advancing SSB technology. Nissan, the Japanese multinational automaker, is actively advancing solid-state battery technology to enhance its EV line-up.

Another area of focus for Nissan is the development of all-solid-state battery cells that utilize sodium instead of lithium and eliminate the liquid electrolyte altogether.

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In this piece, we'll look at seven companies in the battery industry that, along with Accenture, are pushing the state of sodium-ion battery technology. Read on to learn about ...

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Adena Power, a Nexceris subsidiary in Ohio, develops innovative sodium solid-state batteries that offer safer, cost-effective, and sustainable energy storage. Utilizing domestic materials and advanced ...

HiNa Battery Technology Co., Ltd. is a Chinese company dedicated to developing and manufacturing high-performance sodium-ion batteries. The company has made significant ...

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Solid Power is a pioneering developer of all-solid-state battery technology, focusing on sulfide-based solid electrolytes for EVs. It has designed a proprietary electrolyte to replace conventional liquid and gel-based systems, enhancing ...

Our work provides a new path for the design of solid-state Na batteries, highlighting their potential for widespread practical applications.



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