

China sodium energy storage plans sodium battery replacement



Overview

CATL introduced its Naxtra line of batteries earlier in 2025 and has now announced plans for volume production of sodium-ion batteries this year, with integration into production electric vehicles by July. Battery technology is strategic for the world's largest. China has a goal to install 180 gigawatts of battery energy storage systems by the end of 2027, with a direct project investment of \$35.8 gigawatts, 40% of the global total. Although current cost advantages remain limited, industrial scaling is expected to improve competitiveness.

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Experts: sodium-ion batteries to enter large-scale applications by 2026

Government agencies, including the Ministry of Industry and Information Technology and the National Energy Administration, have designated sodium-ion batteries as a priority direction for ...

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China Targets 180 Gigawatts of Battery Storage by end of 2027

1 China has a goal to install 180 gigawatts of battery energy storage systems by the end of 2027, with a direct project investment of \$35.2 billion.

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Massive 20 GWh sodium-ion battery manufacturing plant announced in China

After last year's slowdown, investment in China's sodium-ion battery sector is rebounding in 2025, and one of the biggest projects yet has now entered the development pipeline.

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'World's largest' sodium-ion battery

energy storage project goes into

State-owned power company China Datang Corporation put a 100-MWh energy storage station using sodium-ion batteries into operation in central China's Hubei province on June 30, the ...



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Why Sodium-Ion Batteries Are Happening Now

While some applications like energy storage have switched to LFP, until now sodium-ion batteries have not been produced at the same volume levels. The question is, why?

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China's sodium-ion battery breakthrough could end the EV industry's

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 ...



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2025 Climate Tech Companies to Watch: HiNa Battery Technology ...

The Chinese startup has begun mass-producing two types of sodium-ion batteries and plans to launch a third this

month. HiNa Battery Technology is a trailblazer in developing and

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Sodium-Ion Batteries Signal a Strategic Shift in Global Energy Storage

In 2024, JMEV introduced a sodium-ion battery option for its EV3 model, while HiNa Battery has integrated the technology into low-speed electric vehicles. Beyond transport, the most ...

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sodium ion BESS China

[Shenzhen, China - October 2025] - China has officially completed its first 100 MWh sodium-ion battery energy storage station, marking a milestone in the nation's clean-energy transition and the global ...

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China Launches Grid-Forming Sodium-Ion Battery Storage Plant

"China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy

Storage Station in Wenshan, Yunnan province -- a national pilot project and the first ...

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