

Sodium-ion solar container battery mass production





Overview

CATL is bringing sodium-ion batteries to commercial scale, with plans to begin mass production of its new Naxtra cells in December 2025. Is CATL a sodium ion battery?

FAQ The Sodium-Ion Advantage: CATL's Naxtra Batteries CATL, the world's largest lithium-ion battery manufacturer, has officially entered the sodium-ion battery market with its new brand, Naxtra.

Why is naxtra launching a sodium-ion battery at CATL's Super Tech Day?

The announcement at CATL 's Super Tech Day marks a significant milestone in the energy industry, as Naxtra harnesses sodium's natural advantages to push beyond resource constraints. What Makes Sodium-Ion Batteries Unique?

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What is the world's first large-scale mass-produced sodium-ion battery?

Earlier this year, on April 21, CATL introduced what it described as the world's first large-scale mass-produced sodium-ion batteries. The initial products included the "Sodium New Power Battery" for passenger vehicles and the "Sodium New 24V Integrated Starter Battery" for heavy-duty trucks.

Is naxtra the world's first sodium-ion battery?

CATL has officially unveiled the Naxtra Battery, claiming it to be the world's first Sodium-ion Battery produced on a mass scale. The announcement at CATL 's Super Tech Day marks a significant milestone in the energy industry, as Naxtra harnesses sodium's natural advantages to push beyond resource constraints.



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Non-Explosive! CATL's Sodium-Ion Battery: 175Wh/kg Density, Mass

Apr 22, 2025 · CATL's Sodium-Ion Battery: 175Wh/kg Density, Mass Production in 2025
Time: April 22, 2025 Editor: Ana Hu Source: China Exportsemi On April 21, 2025, CATL officially ...

Sodium-ion batteries in 2025: a snapshot of ...

Jun 19, 2025 · Bottom line: With CATL's Naxtra heading for mass production and more than 100 GWh of cumulative capacity now financed across ...

World's biggest battery maker flags first commercial sodium battery

Apr 23, 2025 · Earlier this week, the world's biggest battery maker, CATL, announced its latest battery which can be charged at speeds which will add 520 km of charge in just 5 minutes. ...

Sodium-ion batteries are nearing market readiness

Jul 31, 2025 · According to a recent study by Fraunhofer FFB and the University of Münster, sodium-ion batteries are on the verge of industrial mass production. They already offer a ...

CATL to Start Sodium-Ion Battery Production in 2025

Jul 4, 2025 · CATL will begin mass production of sodium-ion Naxtra cells in late 2025, aiming to challenge LFP's dominance. Here's what that means for EVs and storage.

CATL to Start Sodium-Ion Battery Production ...

Jul 4, 2025 · CATL will begin mass production of sodium-ion Naxtra cells in late 2025, aiming to challenge LFP's dominance. Here's what that means ...

CATL says next-gen sodium-ion battery ...

Sep 18, 2025 · CATL announced its sodium-ion battery achieves 175 Wh/kg and 500 km range, with certified safety and 2026 mass supply.

Sodium-ion batteries: All you need to know

Nov 13, 2023 · Sodium-ion batteries are a promising new battery technology with the potential to address many of the limitations of lithium-ion ...

Naxtra Battery Breakthrough & Dual-Power ...

On April 21, 2025, CATL unveiled three groundbreaking EV battery products at its inaugural Super Tech Day: The Freevoy Dual-Power Battery, Naxtra ...

How to Set Up a Sodium-Ion Battery Manufacturing Plant

Feb 19, 2025 · Setting up a Sodium-ion Battery manufacturing plant requires detailed planning and execution across several important areas. Sodium-ion batteries, an environmentally ...



Challenges and industrial perspectives on the development of sodium ion

Oct 1, 2024 · Abstract The ever-increasing energy demand and concerns on scarcity of lithium minerals drive the development of sodium ion batteries which are regarded as promising ...

Naxtra: CATL unveils first sodium-ion EV ...

Apr 22, 2025 · During its Super Tech Day, the Chinese giant unveiled three breakthrough batteries for electric vehicles: Freevoy Dual-Power, Naxtra, ...

Sodium-Ion Battery Technology Approaches ...

Aug 1, 2025 · Compatibility with existing lithium-ion gigafactories lowers entry barriers, accelerating sodium-ion adoption and supporting supply chain ...

World's biggest battery maker flags first ...

Apr 23, 2025 · Earlier this week, the world's biggest battery maker, CATL, announced its latest battery which can be charged at speeds which will ...

Naxtra: CATL unveils first sodium-ion EV battery in mass production

Apr 22, 2025 · During its Super Tech Day, the Chinese giant unveiled three breakthrough batteries for electric vehicles: Freevoy Dual-Power, Naxtra, and Shenxing Superfast Charging ...

World's largest battery manufacturer achieves ...

May 21, 2025 · The world's largest electric vehicle battery maker has hit a remarkable benchmark. China-based Contemporary Ampere has ...

CATL Introduces First Mass-Produced Sodium-Ion Battery

Apr 25, 2025 · CATL has officially unveiled the Naxtra Battery, claiming it to be the world's first Sodium-ion Battery produced on a mass scale. The announcement at CATL's Super Tech Day ...

Naxtra Battery Breakthrough & Dual-Power Architecture

On April 21, 2025, CATL unveiled three groundbreaking EV battery products at its inaugural Super Tech Day: The Freevoy Dual-Power Battery, Naxtra - the world's first mass produced sodium ...

Largest sodium-ion battery system comes ...

Jul 2, 2024 · Armed with government R&D grants and the need to balance renewable energy in the national electricity grid, HiNa Battery has ...

CATL Launches World's First Mass-Produced ...

Apr 23, 2025 · The Sodium-Ion Advantage: CATL's Naxtra Batteries CATL, the world's largest lithium-ion battery manufacturer, has officially entered ...

New sodium-ion developments from CATL, ...

Nov 28, 2024 · Namely, sodium-ion's lower cost mainly comes from abundant sodium and low extraction and purification costs. Sodium-ion batteries ...



CATL plans to mass-produce Naxtra sodium ...

Apr 28, 2025 · Some expect sodium, which is cheaper and more readily available than such materials as lithium, cobalt and nickel, to power the ...

CATL Launches World's First Mass-Produced Sodium-Ion Batteries

Apr 23, 2025 · The Sodium-Ion Advantage: CATL's Naxtra Batteries CATL, the world's largest lithium-ion battery manufacturer, has officially entered the sodium-ion battery market with its ...

CATL says next-gen sodium-ion battery supports 500 km ...

Sep 18, 2025 · CATL announced its sodium-ion battery achieves 175 Wh/kg and 500 km range, with certified safety and 2026 mass supply.

New sodium-ion developments from CATL, BYD, Huawei

Nov 28, 2024 · Namely, sodium-ion's lower cost mainly comes from abundant sodium and low extraction and purification costs. Sodium-ion batteries could potentially use aluminum for the ...

Sodium-ion batteries are nearing market ...

Jul 31, 2025 · According to a recent study by Fraunhofer FFB and the University of Münster, sodium-ion batteries are on the verge of industrial ...

CATL to Produce Second-Generation Sodium ...

Mar 18, 2025 · CATL's second-generation sodium-ion battery is set to hit the market in 2025, with mass production expected to begin in 2027.

Non-Explosive! CATL's Sodium-Ion Battery: ...

Apr 22, 2025 · CATL's Sodium-Ion Battery: 175Wh/kg Density, Mass Production in 2025
Time:April 22, 2025 Editor:Ana Hu Source:China ...

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