

Will there be a second-generation CATL battery in 2024?

In January 2024, BYD (Xuzhou) started construction of a sodium-ion battery project with an annual production capacity of 30 GWh. Initially, this is meant to produce batteries with an energy density of 105 Wh/kg, increasing to a density of 130 Wh/kg. This makes claims of a second-generation CATL battery with 200 Wh/kg seem unlikely.

Will CATL batteries replace lithium ion phosphate batteries?

Reports claim that CATL's second-generation sodium-ion batteries will replace 20 to 30 percent of lithium-ion phosphate batteries in small or short-range vehicles. In January 2024, BYD (Xuzhou) started construction of a sodium-ion battery project with an annual production capacity of 30 GWh.

Is CATL launching a solid-state battery?

New reports confirm CATL has entered the trial production phase for its new solid-state batteries. Solid-state batteries offer several advantages over conventional lithium-ion batteries. They promise higher energy density, improved safety, and faster charging times.

When will CATL launch a second-generation sodium battery?

On November 18, CATL announced its second-generation sodium battery. Speaking at the World Young Scientists Summit, chief scientist Wu Kai revealed the development of the battery and said that it would be launched in 2025.

Will CATL have 6C batteries in 2024?

CATL, which is already producing 5C battery cells, was expected to have 6C batteries by the end of 2024. The Chinese company appears to be on track with its ultra-fast-charging batteries, as it just announced such a battery developed in partnership with SAIC-GM.

Will CATL produce all-solid-state EV batteries by 2027?

CATL's chief scientist, Wu Kai, previously announced the company's aim to produce all-solid-state EV batteries in small volumes by 2027. CATL is not alone in its pursuit of solid-state batteries. Toyota, Mercedes-Benz, and Stellantis are also investing heavily in this promising technology.

o Joint venture to build an all-new lithium iron phosphate (LFP) battery plant at Stellantis' Zaragoza, Spain site
o Production is planned to start by end of 2026 and could reach ...

Companies like CATL are at the forefront, pushing the boundaries of material science, recycling innovations, and next-generation battery architectures. As CATL's ...

CATL unveils its second-generation sodium-ion battery at the World Young Scientists Summit, planned for launch in 2025 and mass production by 2027. The new battery ...

Earlier this year, BYD said, "The development of BYD sodium-ion batteries has entered the second stage around (reducing) costs, and its BOM (bill of materials) cost is expected to be on par with lithium iron phosphate ...

CATL plans to launch a second-generation Qilin Battery with a 6C charging multiplier in the second half of 2024, and BYD's second-generation Blade Battery could also be launched in the second half of the year, with a 6C ...

Yet CATL's Zeng said the viability of solid-state batteries is not achievable unless a new type of chemistry - where pure lithium metal is used for the anode electrode - is used, but even ...

Contemporary Amperex Technology Co., Ltd. (CATL) successfully held its first online launch event "Tech Zone" on July 29. Dr. Robin Zeng, chairman of CATL, unveiled the ...

CATL is confident it can overcome these hurdles and bring all-solid-state batteries to market in the near future. CATL's chief scientist, Wu Kai, previously announced the company's aim to produce all-solid-state EV ...

Primary Chinese battery maker CATL has recently unveiled a LFP EV battery model promising over 1,000 km driving range. The launch event happened at the latest Beijing Auto Show, held until a few days ago in the ...

CATL claims its second-generation sodium batteries function reliably down to -40°C (-40°F) - the point where Fahrenheit and Celsius converge and conventional lithium batteries essentially give up.

Attendees look at the next generation battery swapping station from China-based CATL, the world's largest maker of batteries for electric vehicles, before a launch presentation held in Xiamen, southern China's Fujian province ...

GM's China joint venture SAIC-GM announced the fastest-charging EV battery in the world, developed in partnership with battery giant CATL. The new battery, which will be used in the next...

CATL is working with Tesla to develop a fast-charging LFP battery pack for the upcoming next-generation EVs, including the robotaxi Tesla is working on

On March 17, 2025, CATL and NIO signed a strategic partnership in Ningde, Fujian. Together, the two parties will jointly build the world's largest battery swapping network and promote the standardization of industry ...

On October 24, 2024, CATL launched Freevoy Super Hybrid Battery, the world's first hybrid vehicle battery to achieve a pure electric range of over 400 kilometers and 4C superfast charging, heralding a new era for

high-capacity EREV and ...

CATL holds 37.6% of the global power battery market in the first seven months of 2024, according to SNE Research. Contemporary Ampere Technology Co. Ltd. (CATL), the ...

CATL announced its second-generation Sodium-ion Battery at the World Young Scientists Summit on November 18. This innovative battery will be launched in 2025. With this launch, CATL aims to further enhance the ...

CATL has announced the second generation of its sodium-ion battery. According to Chief Scientist Wu Kai, it is set to hit the market in 2025, with mass production expected to begin in 2027. The new battery will be able ...

Volkswagen partners with CATL for next generation EV battery. Post your comment; Comments (3) Max McDee ... In 2024, CATL's installed battery capacity in China grew by 47.2% to 246 GWh, giving it a commanding ...

CATL has announced the launch of their second-generation Sodium-ion Battery at the World Young Scientists Summit.. Introduction to CATL's Sodium-ion Battery. The focus keyphrase here is the second ...

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