

China solid-state batteries





Overview

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China plans to fund a project for developing solid-state batteries with an investment of more than 6 billion yuan (766 million euros). Six companies will be eligible for the government funding. After becoming one of the world's biggest lithium-ion battery suppliers, the country is preparing to.

On February 15 at the second China All-Solid-State Battery Innovation and Development Summit Forum, Sun Huajun – CTO of the Shenzhen BYD Lithium Battery Co., Ltd., revealed that BYD has rolled off 60Ah all-solid-state batteries from the pilot production line in 2024. The company will start mass.

A leading Chinese EV maker that achieved several breakthroughs in solid-state battery tech has now confirmed to adopt it for large-scale EV manufacturing. BYD is in the process of launching its EV powered by all-solid-state batteries (SSBs). Such SSBs feature solid electrolytes instead of liquid.

Several Chinese key players in the all-solid-state sector, including BYD, unveiled an ambitious timeline for producing the game-changing battery by 2027, which signals China's determination to lead in next-generation battery technology globally. Sun Huajun, chief technology officer of BYD Lithium.

WELION, as a solid-state battery leader incubated by the Institute of Physics of the Chinese Academy of Sciences, has been deeply engaged in the field of solid-state lithium-ion batteries since 2016, integrating research and development, production and sales. Welion has won the title of China's.

Solid-State Batteries (SSBs) use a solid-state electrolyte instead of the traditional liquid electrolyte to realize the conduction of lithium ions between



the positive and negative electrodes. According to the electrolyte form, they can be divided into three categories: Semi-solid-state batteries:.



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China to pour millions into solid-state battery research

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[2025 China Top 10 Leading Solid-State Battery Companies](#)

Top 10 Leading Companies in China's Solid-State Battery Industry Solid-state batteries are poised to revolutionize energy storage, offering higher energy density, improved ...



White Paper on the Development of China's Solid-State Battery

According to EVTank data, global solid-state battery shipments reached 5.3 GWh in 2024, a significant increase of 4.3 times YOY, all of which were semi-solid-state ...

China's EV giant to mass produce solid-state batteries ...

China's BYD is in the process of launching its EV powered by all-solid-state batteries, which feature solid electrolytes instead of liquid

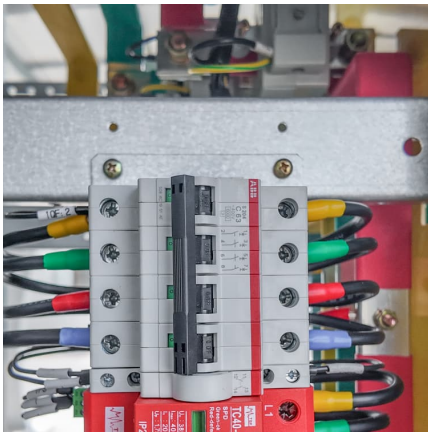


electrolytes.



China embraces next-gen solid-state battery revolution with tech

Chinese battery giants CATL and BYD have set 2027 as their target for small-scale production of solid-state batteries. Scientific teams are intensifying their collaboration ...



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After becoming one of the world's biggest lithium-ion battery suppliers, the country is preparing to secure pole position in solid-state batteries, widely considered the next-generation technology.



BYD will start mass installation of all-solid-state batteries around

CASIP was jointly established by battery giants such as CATL and BYD in January 2024, committed to promoting the academic and industrial development of all-solid ...





After Chips, China to Pour Millions Into Solid-State ...

Many auto industry officials and analysts expect solid-state batteries will determine the competitiveness of the next-generation EVs. Several global automakers are also looking into the technology, hoping to break ...



Chinese firms unveil accelerated and ambitious plans ...

Several Chinese key players in the all-solid-state sector, including BYD, unveiled an ambitious timeline for producing the game-changing battery by 2027, which signals China's determination to lead in next-generation ...

[Introduction to Solid State Battery Technology in China](#)

Through industry-academia-research synergies (e.g., nanosulfide electrolyte development at Academician Ouyang Minggao's workstation) and vertical integration of the ...



[Top 10 solid state battery manufacturers in China](#)

To sum up, the competition in China's solid-state battery field is fierce and full of vitality, and the top 10 solid state battery manufacturers in China all show excellent strength in ...



Chinese firms unveil accelerated and ambitious plans for all-solid

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China's EV giant to mass produce solid-state batteries for ...

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[BYD will start mass installation of all-solid-state](#)

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