

# How is China's solid-state battery technology

Will China build a solid-state battery supply chain by 2030?

Aiming to build a supply chain for solid-state batteries by 2030, Beijing in January set up a consortium, the China All-Solid-State Battery Collaborative Innovation Platform (CASIP), which brings together government, academia and industry, including EV battery rivals CATL and BYD.

Are sulfide-based all-solid-state batteries coming to China?

At a conference held by the China Automotive Battery Innovation Alliance late last week, Ouyang Minggao, a renowned battery expert and an academician with the Chinese Academy of Sciences, said that in China, the closest technical route to industrialization is the sulfide-based all-solid-state batteries.

Could China's battery technology revolutionize the electric car market?

(Source photos by Reuters; screenshot from Tsinghua University's social media) BEIJING -- China's battery and car makers have united as part of a government-led drive to commercialize all solid-state batteries, challenging Japan and the West in an area of technology that could revolutionize the electric vehicle market.

Why is solid-state lithium-ion battery development important?

Why it matters: The development is the latest example of liquid-state lithium-ion pack leader China ramping up efforts to master the technology, as global auto giants expect solid-state batteries to give them an edge over competitors in the EV transition.

Why are Chinese companies pursuing alternative batteries not based on lithium?

Lithium technologies are expected to advance quickly over the next few years. However, companies in China and beyond are frantically pursuing alternative batteries not centred around lithium, in part because the minerals needed to make the current options come from just a few countries.

Should China commercialize all-solid-state batteries before 2035?

Ouyang suggested that instead of producing only samples, China must strive to commercialize all-solid-state batteries with an energy density of more than 400 Wh/kg and 800 Wh/L before 2035.

That's the promise of solid-state technology. At a time when the world continues to scramble to secure battery metals and the lithium market remains volatile, many experts claim this could be the solution the world's been waiting for. ... In the end, China's investment in solid-state battery research is a bold, electrifying move that ...

The consortium, dubbed the China All-Solid-State Battery Collaborative Innovation Platform (CASIP), includes CATL, BYD's battery arm FinDreams Battery, CALB, Svolt ...

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In China, all-solid-state batteries, especially sulfide-based ones, with an energy density of 400 Watt-hour per kilogram are finding favor now. Wh/kg is a reference unit that indicates the density ...

China continues to invest billions in solid state batteries, raising questions about the future of battery metals and the EV revolution.

Separately, Ouyang Minggao, an academician at the Chinese Academy of Sciences and a professor at Tsinghua University, told a solid-state battery forum on January 22 that China needs to develop transitional ...

China's new consortium to commercialize solid-state batteries, includes 6 of the 10 largest battery makers--and probably more. ... (SSBs): The China All-Solid-State Battery Collaborative Innovation Platform ... Battery ...

The China All-Solid-State Battery Collaborative Innovation Platform (CASIP) alliance is "aimed at leading the world in solid-state battery technology" and reportedly counts six of the top 10 ...

Employees work at Doctors Energy's battery production line in Tianjin.[Photo/China Daily] Chinese solid-state battery technology company Doctors (Tianjin) Energy Technology Inc plans to start all ...

CHONGQING, China, November 14, 2024 (EZ Newswire) -- On November 7, Chinese solid-state battery enterprise Chongqing Talent New Energy Co., Ltd. ("Talent New Energy") collaborated with leading ...

The race to master solid-state battery technology is fully on, which could bring new dynamics to the future battery sector. Governments and blocs around the ...

Chinese battery giant CATL plans to start this year the mass production and delivery of batteries based on a new materials technology, M3P, which will perform better and cost less than nickel and ...

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