

The first solid-state battery company in China

Are Chinese companies ready for a solid-state battery?

Solid-state batteries are sensitive to moisture, so their manufacturers need special equipment to keep humidity away from production lines. While government initiatives should accelerate solid-state battery development, Chinese companies aren't waiting. Battery makers have already started formulating plans for the next-gen technology.

Is China's largest lithium mining company a battery manufacturer?

China's largest lithium mining company has transformed itself into a battery manufacturer, and is now the very first company to announce mass production of revolutionary solid-state batteries.

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.

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.

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 automakers making a solid-state battery?

A batch of automakers and battery firms have announced solid progress has been made in that direction. Battery maker Sunwoda told China Daily that it has finished R&D of its all-solid-state battery with an energy density of more than 400 Wh/kg, and plans to mass-produce it by 2026, with an estimated production capacity of 1 gigawatt-hour.

Meanwhile, Shanghai-based NIO is reported to have developed a type of "semi-solid-state" battery pack that can travel 1,070 kilometres on a single charge. China has also set up a dedicated fund of six billion yuan (USD ...

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WeLion, the battery supplier, has already begun delivering its first semi-solid-state battery cells to Nio. This signifies a concrete step towards the mass production of these advanced batteries.

Chinese solid-state battery technology company Doctors (Tianjin) Energy Technology Inc plans to start all-solid-state battery (ASSB) production by 2026, after it starts ...

The biggest carmaker in the world claimed that it can create batteries with a 745-mile (1,200-kilometer) range and rapid charging times of roughly 10 minutes utilizing its new ...

Additionally, in September 2023, another solid-state battery listed company based in the US, Solid Power, announced that its first batch of A-1 solid-state battery samples ...

LiPure Energy, a Beijing-based battery firm, said it has successfully built China's first production line to manufacture all-solid-state lithium batteries and has already ...

In January, Beijing formed a consortium of industry heavyweights, academics and government officials with the aim of building a supply chain for solid-state batteries by ...

BYD subsidiary FinDreams Battery, CATL, CALB, EVE Energy, Gotion High-Tech, and SVOLT have formed a consortium called China All-Solid-State Battery Collaborative Innovation Platform (CASIP) to develop and ...

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A team of scientists working for Bonn-based company High Performance Battery (HPB), led by Prof. Dr. Günther Hambitzer, has achieved a decisive breakthrough in ...

Chinese battery manufacturer Ganfeng started the mass production of its first-generation solid-state battery with an energy density of 260 Wh/kg

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