

# Domestic solid-state battery equipment production line

Can domestic companies develop all-solid-state lithium batteries?

In order to seize the opportunity in the new energy field in the future, domestic companies are also actively developing all-solid-state lithium batteries. On February 26, 2022, the Qingtao New Energy solid-state lithium battery industrialization project with a total investment of 5 billion yuan broke ground in Kunshan Development Zone.

Where are all-solid-state batteries made?

TOKYO, Japan, November 21, 2024 - Honda Motor Co., Ltd. today unveiled the demonstration production line for all-solid-state batteries, which is being developed independently by Honda toward mass production. The line was constructed on the property of Honda R&D Co., Ltd. (Sakura), located in Sakura City, Tochigi Prefecture, Japan.

What is solid-state lithium battery?

Solid-state lithium battery is recognized as the next-generation power battery technology, and Qingtao is in a leading position in the global solid-state lithium battery industry.

Are all-solid-state batteries the future of EV technology?

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 of energy contained or storable in a body. All-solid-state batteries represent a disruptive EV technology, they said.

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.

When is Honda launching a battery production line?

Honda is planning to begin battery production on this demonstration line in January 2025 and will conduct verification of mass production technologies and costs for each process, while also developing battery cell specifications.

With a design capacity of 1.25 GWh, the first production line is claimed to be the world's first GWh-level new solid-state battery production line. - Advertisement - "Compared with traditional batteries, solid-state batteries are ...

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scale, whether it is Lab Line, Pilot Line or Production Line, we can provide a ...

The independently developed full solid-state lithium batteries convert liquid electrolyte inside lithium batteries into solid electrolytes, resolving the inherent risks of ...

The first domestic full solid-state lithium battery production line, financed and built by the Beijing Pure Lithium New Energy Technology Co., Ltd. in Beijing E-Town, has ...

3 ???&#0183; An employee works on the production line of an all-solid-state battery maker in Chongqing. [CUI JINGYIN/FOR CHINA DAILY] ... Several leading domestic battery ...

3 ???&#0183; Battery sector information provider Gaogong Industry Institute said new production capacity for solid-state batteries surpassed 142 gigawatt-hours from January to July, with total investment exceeding 64.4 billion yuan (\$9 billion).

Recently, the Future Battery Forum 2024, organized by IPM AG (Institute for Production Management) in Berlin, was officially launched, gathering over 80 battery industry ...

In 2020, Qingtao Energy will build the world's first large-scale mass production line for solid-state power lithium batteries, realizing a capacity upgrade from 0.1GWh to 1GWh. At the same time, a key step in technology ...

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It plans to invest 250 million yuan to build a pilot production line with a scale of more than 100 million watt-hours. The 600 million watt-hour power battery production line will focus on ...

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ITEN is embarking on a transformative manufacturing capacity expansion, positioning ourselves as the undisputed global leader in solid-state battery production. Dardilly The pilot line of ...

Volkswagen Group's battery company PowerCo and QuantumScape have entered into a groundbreaking



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agreement to industrialize QuantumScape's next-generation solid-state lithium ...

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