



Qingtao solid state battery

Will SAIC Motor & Qingtao energy development make solid-state batteries together?

(Image credit: CnEVPost) SAIC Motor Corp plans to form a joint venture with Chinese solid-state battery startup QingTao Energy Development, which it backs, to make solid-state batteries together.

Will Qingtao make a solid-state lithium battery in 2020?

In 2020, QingTao completed a solid-state lithium battery production line with a capacity of 1GWh per year. The company also saw the Neta U and BAIC prototypes with its solid-state batteries roll off the line in 2020, according to information published on its website.

What is a solid-state battery?

The solid-state battery developed by SAIC Motor and Qingtao Energy Development aims not only to extend range but also to reduce costs and improve charging speeds. According to official sources, the maximum range and 10-minute charging range of this solid-state battery are nearly equivalent to CATL's Shenxing battery.

How far can a solid-state battery go?

Although still in development, initial tests indicate that the solid-state battery can achieve a maximum range of 1,083 kilometers, one of the highest in its category. In August, Chinese state-owned automotive manufacturer SAIC Motor announced its plan to embark on a joint venture with solid-state battery startup Qingtao Energy Development.

Who is Qingtao energy development?

Qingtao Energy Development was founded in 2016 and is led by Nance Nann, an academician of the Chinese Academy of Sciences and a professor at Tsinghua University.

What does Qingtao do?

Focused on solid-state batteries, Qingtao specializes in power and energy storage applications for electric vehicles (EVs) and stationary systems.

2 · Local media reports suggest the semi-solid-state battery, developed by SAIC-backed startup QingTao Energy, offers an energy density of 180 Wh/kg - although it is unclear whether this figure refers to the cell level or the full pack. ...

Solid state lithium batteries are the focus of attention in today's industry and a key focus of global battery technology research and development. The key to promoting the industrialization of solid-state batteries lies in the breakthrough ...

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