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Title: Guoxuan Iron-Lithium Battery Energy Storage

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How will Guoxuan improve its energy storage capacity?

Guoxuan will also strive to improve the energy storage capacity of its batteries, raising the energy density of its lithium iron phosphate batteries to 260 watt-hours per kilogram and that of its MnNiCo ternary batteries to 350 Wh/kg by 2022, said Huang. German carmaker Volkswagen is Guoxuan's biggest shareholder.

Who owns Guoxuan battery?

Company Chairman Zhen Li drew inspiration from his 2005 visit to the University of Science and Technology of China and built a team to pursue battery research. Guoxuan launched its high-capacity lithium iron phosphate (LFP) battery in 2007. In 2021, Volkswagen became the largest shareholder of Gotion High-Tech.

Is Guoxuan Hi-Tech a leader in lithium iron phosphate (LFP)?

Despite enduring industry fluctuations, Guoxuan Hi-Tech has consistently held a vanguard position in the Lithium Iron Phosphate (LFP) direction. By the close of 2020, the company's LFP soft-packed batteries, using silicon-based negative electrode plus pre-lithiation technology, achieved an energy density of 210Wh/kg.

How much power does a Guoxuan Hi-tech battery have?

In May 2022, Guoxuan Hi-Tech unveiled a semi-solid battery boasting an energy density of 360Wh/kg. When tested in a high-end model, the battery yielded a power of 160kWh, a cruising range of 1000 kilometres, a battery pack energy density of 260Wh/kg, and an acceleration time of 3.9 seconds from 100 kilometres - all notable enhancements.

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A key goal is to build a "battery technology service platform." "The Olympic spirit is the pursuit of "faster, higher, stronger," and the same goes for batteries--they require higher energy ...

Concurrently, the company's 400Wh/Kg ternary semi-solid battery has prototype samples in the laboratory. In response to the escalating adoption of the global new energy vehicle ...

The "Power Ocean" energy storage product used in this project is Guoxuan High-tech's



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third-generation energy storage product, which organically combines advanced liquid cooling system with large ...

Recently, Formosa Plastics Group released the first ESS energy storage system based on lithium iron phosphate battery, equipped with the battery management system BMS and energy ...

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The company has developed two long-life lithium iron phosphate batteries, with optimised material design and production processes. Shanghai Electric Guoxuan started foundation works for its ...

Hefei Guoke Lithium Energy Technology Co., Ltd., as a global advocate of new energy for industrial vehicles, is a technology innovation company jointly established by Anhui Xi'er Ai Intelligent ...

On May 10, Guoxuan High-tech announced that its wholly-owned subsidiary, Hefei Guoxuan, had received a purchase order from Volkswagen Group, making the company the ...

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