

What is GAC Group's new super fast-charging battery?

Recently, GAC Group announced a major achievement in battery technology. The graphene-based super-fast-charging battery it developed has made breakthrough progress and has now entered the phase of actual vehicle testing.

Why is GAC bringing out solid-state batteries with high-loading silicon anodes?

GAC is also bringing out solid-state batteries with high-loading silicon anodes, adding that it has largely stopped extreme volume expansion and contraction of the anodes during electrochemical reactions, which harms solid electrolytes and often results in a poor overall battery cycle life.

Are GAC batteries better than Qilin batteries?

Credit: GAC Group Details: GAC claims its batteries offer better safety compared with not only liquid-based batteries but also solid-state alternatives, while achieving an energy density of 400 watt-hours per kilogram (Wh/kg), a roughly 60% rise compared with CATL's highly advanced Qilin battery.

Why should you choose GAC Group?

GAC Group continues to lead innovative development of the automotive industry with its innovations like GMPA (Global Modular Platform Architecture), "Mega Wave Power", ADiGO 3.0 interconnected smart driving ecosystem, and GIEC (GAC Intelligent Experience Cockpit). The massive results are supported by the strong R&D strength of GAC Group.

Shanghai (Gasgoo)-On December 2, GAC AION, the new energy vehicle (NEV)-dedicated subsidiary of GAC Group, held an event to launch the AION Y PLUS battery electric vehicle (BEV) model in Cambodia, marking its official foray into the Cambodian auto market. The significant move was conducted by partnering with a local auto dealer. It followed GAC AION's ...

It engages in the production and manufacturing of power batteries for new energy vehicles and R&D of battery materials. It also provides technical services for related products, with a total investment of RMB 10.9 billion dedicated to the industrialization of self-developed and self-produced batteries as well as the production, manufacturing ...

GAC Group stated this strategic collaboration reinforces its 2nd Energy Action Plan, propelling the creation of a vertically integrated new energy industry chain that encompasses "lithium mining, basic lithium battery raw materials production, battery production, energy storage and electric vehicle charging & battery swapping services, battery ...

e-TIME action is the action plan formulated by GAC group to implement the medium long term development

strategy of GAC group under the guidance of adhering to one center, two unswervingly promoting the realization of three transformations four transformation ideas. [Learn more.](#)

Besides, it will help design power battery products more suitable for new energy vehicle and meet GAC's need of massive production of new energy vehicle. GAC is the domestic first large state- holding automobile group to realize the overall listing of A+H shares (A-share code 601238, H-share code 02238).

The production line focuses on the precision manufacturing of charging piles, covering the whole process from assembly to rigorous testing. We implement comprehensive quality control measures to ensure that each charging pile is tested for water resistance and basic functions to suit a variety of outdoor environments.

Yinpai Battery Technology Co., Ltd., located in GAC's Industrial Park for Intelligent & Connected New Energy Vehicles, broke ground on December 11. Yinpai Battery Technology Co., Ltd. is ...

Secondly, an integrated vertical new energy industrial chain is being constructed, including the development of high-performance power batteries and energy storage batteries. Thirdly, in response to the "1551" international strategy for 2030, GAC Group has embarked on a new international journey.

GAC Group of China and CATL will set up two battery joint ventures, according to resolution of GAC board of directors unveiled on Dec. 14. GAC and its wholly owned subsidiary GAC New Energy will contribute 430 million yuan and 60 million yuan, owning 43% and 6% stakes, respectively, to the first joint venture, with 1 billion yuan in registered capital, which will ...

The Greater Bay Technology Battery Production Base Project includes the construction of cell production workshops, PACK workshops, a R& D testing center, trial production workshops, a ...

UPOWER Energy remains committed to implementing GAC Group's "2? Energy Action," accelerating the construction of a vertically integrated new energy industry chain. This chain spans lithium mining, basic lithium battery raw materials production, battery production, energy storage, electric vehicle charging, battery swapping services, battery ...

It is jointly funded by GAC Group, GAC Capital and a partnership firm set by former Advanced Technology Team from GAC R& D Center and relevant third parties. GBT focuses on R& D, production, and services of eXtreme FastCharging (XFC) battery, a new generation of breakthrough energy storage and its system.

Focusing on the "carbon peaking and carbon neutrality goals" of the state, GAC is committed to building a charge-swap-storage energy supply ecosystem and battery recycling ecosystem, as ...

Credit: GAC Group. Details: GAC claims its batteries offer better safety compared with not only liquid-based batteries but also solid-state alternatives, while achieving an energy density of 400 watt-hours per kilogram

(Wh/kg), a roughly 60% rise compared with CATL's highly advanced Qilin battery. It features a hybrid solid-state electrolyte ...

For either conventional vehicles or new energy vehicles, intelligence is deeply rooted in the manufacturing process of GAC. According to the five-level evaluation system of intelligent plant maturity released by the State, GAC AION Smart Ecological Factory reached Level 3 directly and Level 4 partly when completed, and plans to reach Level 5 by 2025.

GAC Group achieves breakthrough in graphene-based fast-charging battery technology, vehicle model Aion V equipped with the new battery to start production in September Jan 28,2021 All over the world, new energy vehicles have become a key solution for low-carbon travel, but battery technology has always restricted the development and widespread ...

On March 3rd, National People's Congress deputy, Vice Chairman of the All-China Federation of Industry and Commerce, and Chairman of the Board of Directors of Tongwei Group, Liu Hanyuan stated that at this year's Two Sessions, he will put forward suggestions related to the construction of a comprehensive energy storage system, which mainly ...

On May 16, GAC Aion, CATL, and CATL's subsidiary CAES signed a framework agreement on battery swapping cooperation. Under the agreement, the parties will make the best of GAC ...

On the basis of the four major safety technologies of magazine battery 1.0, the iterative introduction of ultra stable electrode interfaces, thermal resistance phase change materials, and cell fire extinguishing systems has achieved even more extreme safety performance. ... 2023, the Julang hybrid GMC 2.0 equipped by GAC Trumpchi Shadow Cool ...

On December 28, the main factory building of CATL GAC Power Battery Co., Ltd. was fully roofed, marking the phased achievement of strategic layout of core components and parts of new energy automobile industry chain of GAC Group. The project will have a total capacity of 15 GWH, and be constructed in two phases.

Shanghai (Gasgoo)- On October 14, the Paris Motor Show 2024, one of the world's top five auto exhibitions, officially raised its curtain.GAC Group returned to the event after a six-year hiatus since its debut in 2018, using the platform to announce its ambitious plans for the European market.

GAC group's solid-state battery progress: installed in hyper models by 2026. SMM App. Android iOS. ... Accelerate Improving Standards System and Regulatory Mechanisms for New Energy Storage Industry] SMM News March 7: During the Two Sessions, Li Donglin, a deputy to the 14th National People's Congress and chairman of Times Electric, submitted ...

On March 22 nd, GAC announced the establishment of GAC Energy & Ecological Technology Co., Ltd.

(tentative name).Focusing on the "carbon peaking and carbon neutrality goals" of the state, GAC is committed to building a charge-swap-storage energy supply ecosystem and battery recycling ecosystem, as well as setting up an intelligent, efficient energy cloud platform to ...

GAC displays its all-solid-state battery model. Data shows GAC Group sold 24 new energy and energy-saving vehicle models in the first half of this year. These models make up 48% of their offerings. Sales rose to 40.63%. GAC Aion sold 166,000 units, ranking in the top three of the mainstream pure electric market.

In addition, it enables GAC Group to optimize the layout of the upstream and downstream industrial chains of power batteries, establish an overall independent and controllable new energy industrial chain, and develop the energy storage business simultaneously in order to enhance the company's core competitiveness and profitability.

Yinpai Battery Technology Co., Ltd., located in GAC's Industrial Park for Intelligent & Connected New Energy Vehicles, broke ground on December 11. Yinpai Battery Technology Co., Ltd. is the largest power battery + energy storage battery project in Guangzhou. It has a total investment of RMB 10.9 billion and an area of approximately 666 acres.

Shanghai (Gasgoo)-On September 25, UPOWER Energy Technology (Guangzhou) Co., Ltd. ("UPOWER Energy"), a subsidiary of GAC Group, and BMSer Technology Co., Ltd. ("BMSer"), a leading third-party provider of new energy BMS products and application solutions, signed a strategic cooperation framework agreement in Hangzhou.This agreement ...

Additionally, the company is developing energy storage solutions based on the Na-ion battery technology, which can provide an even more significant cost advantage. The Na-ion energy storage batteries are also in the pilot-scale production phase. Formed in 2009, Farasis's core businesses are Li-ion EV power batteries and energy storage systems.

To build an efficient new energy ecology, GAC Group has accelerated the development of a vertically integrated industrial chain, which includes lithium mining, basic lithium battery material ...

On April 12th, the GAC TECH DAY 2024 event with the theme of "Technology Vision" was held at the GAC GROUP Research Institute. This technology day focuses on cutting-edge technologies in smart electric vehicles, launching the domestically leading imageless pure visual intelligent driving system and the high safety and large capacity all solid state power battery that achieves key ...

GUANGZHOU, China, Nov. 19, 2023 /PRNewswire/ -- The 21st Guangzhou International Automobile Exhibition, also known as Auto Guangzhou 2023, themed "New Tech, New Life", commenced at Pazhou on ...

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