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The latest regulations on battery cabinet charging standards



Overview

What are the new safety requirements for power batteries of electric vehicles?

The updated standards have been published under the title 'Safety Requirements for Power Batteries of Electric Vehicles' with the reference code GB38031-2025. Manufacturers now have just over a year to comply with the more stringent regulations, which will become binding from July 2026.

What are the new battery test standards?

The new standard includes 7 single-cell tests and 17 battery pack or system tests, including the newly added battery bottom impact test and safety test after fast charging cycle, and strengthens safety requirements such as heat diffusion.

What are the test requirements for a battery charger?

The combined use of batteries, chargers and charging stations in various different operational states often leads to several test requirements for these, including: testing for safety, performance, component interoperability, energy efficiency, electromagnetic compatibility (EMC), hazardous substances, chemicals and explosion safety.

What is China's new electric vehicle battery safety standard gb38031-2025?

China has introduced a groundbreaking electric vehicle (EV) battery safety standard, GB38031-2025, set to take effect on July 1. This regulation mandates that EV batteries must not catch fire or explode, even during thermal runaway events, marking a significant advancement in battery safety protocols. 1.

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Discover how battery safety innovations, thermal runaway prevention, and China's new regulations are shaping the future of EVs, ...

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References China: New standard GB 38031-2025 "Safety Requirements for Power Batteries for Electric Vehicles", IGARR Fire and explosion are not allowed. The latest national standard for ...

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An updated mandatory national standard on the safety of electric vehicle batteries in China is set to take effect on J.

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Discover how battery safety innovations, thermal runaway prevention, and China's new regulations are shaping the future of EVs, fast charging, and energy storage systems.

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In a bold and decisive move, China has officially released its latest electric vehicle (EV) battery safety regulation--GB38031 ...

These standards cover energy and power metering for electric vehicle charging infrastructure, safety requirements for nickel-metal hydride batteries, and technical ...

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