

# **Huawei Energy Storage Product Safety Standards**





## Overview

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How safe is Huawei's fire-free energy storage system?

With the battery-pack-level thermal runaway control, Huawei's fire-free energy storage system (ESS) redefines safety. Huawei Digital Power and TÜV Rheinland jointly completed ESS safety tests on Huawei's Smart String & Grid Forming ESS Platform (LUNA2000-4472 series and LUNA2000-215 series).

What is Huawei digital power?

With safety as its top priority, Huawei Digital Power is driving the healthy and sustainable development of the energy storage industry, and making valuable contributions to the creation of clean, low-carbon, safe, and efficient new power systems.

What is energy storage safety classification?

These efforts aim to ensure the high-quality and healthy growth of the energy storage industry. The safety classification comprises three levels: Level 1 (Basic): The ESS complies with basic laws, regulations, and standards, meeting the safety requirements for market admission.

What is TÜV Rheinland's safety classification for energy storage?

In response, TÜV Rheinland has built upon existing standards and further refined safety definitions to develop a comprehensive safety classification for energy storage tailored to specific scenarios. These efforts aim to ensure the high-quality and healthy growth of the energy storage industry. The safety classification comprises three levels:



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This system provides clear evaluation criteria for energy storage products and guides the industry toward higher safety standards. ?? Weichun Li emphasized: "Driven by the 'dual carbon

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[Huawei Smart String & Grid Forming ESS ...](#)

By leveraging safety verification experience to formulate industry standards, Huawei Digital Power is fostering the healthy and high-quality development of the energy storage industry. This effort supports ...

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[Huawei Digital Power's Full-Lifecycle BESS Safety ...](#)

Steven Zhou, President of Smart PV & ESS Product Line, Huawei Digital Power, said that the next few years will be a critical period for PV, wind, and energy storage to ...

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**[Huawei's Innovative Energy Storage System Passes Extreme ...](#)**

Huawei's advanced energy storage system has successfully completed an extreme ignition test, showcasing its robust safety measures and redefining industry standards in energy storage.

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By leveraging safety verification experience to formulate industry standards, Huawei Digital Power is fostering the healthy and high-quality development of the energy ...

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**Huawei's energy storage system passed extreme fire test, ...**

Huawei Digital Power's Commercial and Industrial Hybrid Cooling Grid Forming Energy Storage System passed a stringent extreme ignition test at a Chinese national fire ...

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[Huawei's Energy Storage System Sets New Safety Standards](#)



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Moving forward, Huawei Digital Power will collaborate with TÜV Rheinland to implement higher safety standards in the energy storage industry and facilitate its high-quality ...

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Redefining Safety Standards for Energy Storage Systems Huawei's advancements redefine what safety means for energy storage solutions. The rigorous testing procedures ...

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[Huawei Digital Power's C&I GFM ESS Passes ...](#)

SHENZHEN, China, Dec. 16, 2025 /PRNewswire/ -- Huawei Digital Power's Commercial and Industrial Hybrid Cooling Grid Forming Energy Storage System (C&I GFM ESS) has successfully passed a ...

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