
Huawei Fire Energy Storage Project

Does Huawei's fire-free energy storage system redefine safety?

Abstract: With the battery pack-level thermal runaway control, Huawei's fire-free energy storage system (ESS) redefines safety. [Shenzhen, China, December 24, 2024] 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).

Does Huawei Digital Power's Smart string & grid forming energy storage system pass an ignition test? Huawei Digital Power's Smart String & Grid Forming Energy Storage System (ESS) has successfully passed an extreme ignition test in the presence of customers and Norway-headquartered independent assurance and risk management provider DNV.

Does Huawei have a fireproof energy storage system?

Huawei applied for a patent regarding a fireproof energy storage system to prevent accidents. The application is now authorized and the tech giant could soon begin work on it. Energy Storage System and Control Method Thereof - Patent

Does Huawei ESS delay fire ignition?

The test showed that Huawei's ESS (container A) delayed fire ignition for seven hours in extreme scenarios, even as the number of thermal runaway cells increased. Such delayed propagation would allow emergency personnel time for early intervention, mitigating risks for personnel and property.

SHENZHEN, China, Dec. 16, 2025 /PRNewswire/ -- Huawei Digital Power's Commercial and Industrial Hybrid Cooling Grid Forming ...

Its commercial and industrial energy storage system has received a critical safety certification for fire resistance.

Huawei Digital Power's CI GFM ESS has demonstrated remarkable safety during extreme fire tests, ensuring reliability for energy storage systems according to UL standards.

Now, the project's photovoltaic output has increased from the previous maximum of 1.5MW to 12MW. "Over 10 days of monitoring, Huawei's grid-forming energy storage ...

This groundbreaking test, conducted under real-world scenarios and innovative methodologies, validates the ESS's capabilities in extreme conditions, marking a significant ...

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

Huawei Digital Power's Commercial and Industrial Hybrid Cooling Grid Forming Energy Storage System (C& I GFM ESS) has successfully passed a stringent extreme ignition ...

Huawei Digital Power's Smart String & Grid Forming Energy Storage System (ESS) has successfully passed an extreme ignition test ...

Huawei has filed a new patent for a fireproof energy storage system. The company is planning to develop a method of storage technology that can enhance the safety aspects ...

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