



MODERNIZATION SOLAR

# Huawei Power Energy Storage 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 makes Huawei digital power ESS safe?

To achieve this, Huawei Digital Power has invested heavily in the quality and safety fields. By upgrading the traditional container-level thermal runaway control to the pack-level thermal runaway control, the company has raised the bar for ESS safety, providing higher-level protection.

Does Huawei have ESS safety tests?

Huawei Digital Power and TÜV Rheinland have jointly completed ESS safety tests on Huawei's smart string and grid forming ESS platform (LUNA2000-4472 and LUNA2000-215 series).

Why is Huawei digital power the world's highest-level certificate for ESS safety?

As a result, Huawei Digital Power has become the first company to receive the world's highest-level certificate for ESS safety, marking a significant milestone in the industry. Huawei's smart string and grid forming ESS platform has become the first to achieve the world's highest-level safety certification



## Huawei Power Energy Storage Safety Standards



### [Huawei's ESS Platform Becomes the First to Achieve the ...](#)

Dec 23, 2024 · 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 ...

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

1 day ago · This will lead the continuous evolution of energy storage safety technologies, providing a solid guarantee for the construction of new ...



### [Huawei Completes Extreme Combustion Test for Intelligent ...](#)

Feb 24, 2025 · Huawei Digital Power successfully completed an extreme combustion test for intelligent string-based grid-type energy storage, marking a breakthrough in safety standards. ...

### [Huawei's ESS Platform Becomes the First to ...](#)

Dec 23, 2024 · Moving forward, Huawei Digital Power will collaborate with TÜV Rheinland to implement higher safety standards in the energy ...



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

1 day ago · This will lead the continuous evolution of energy storage safety technologies, providing a solid guarantee for the construction of new power systems and high-quality ...



### [Huawei ESS platform first to achieve highest ...](#)

Jan 13, 2025 · Huawei Digital Power and TÜV Rheinland have jointly completed ESS safety tests on Huawei's smart string and grid forming

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

[Beijing, China, November 18, 2025] Huawei Digital Power, in collaboration with leading industry partners, has successfully passed a rigorous technical appraisal conducted by the China ...



## [Huawei ESS platform first to achieve highest-level safety ...](#)

Jan 13, 2025 · Huawei Digital Power and TÜV Rheinland have jointly completed ESS safety tests on Huawei's smart string and grid forming ESS platform (LUNA2000-4472 and LUNA2000-215 ...



## [Energy Storage Solution \(ESS\) , HUAWEI](#)

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World's First Highest-Level Safety Certification  
Huawei's Smart String Grid-Forming ESS sets a new standard for safety with its refined protection ...



## [Huawei's ESS Platform Becomes the First to Achieve the ...](#)

Jan 8, 2025 · 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 ...



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

Mar 5, 2025 · Redefining Safety Standards for Energy Storage Systems Huawei's advancements redefine what safety means for energy storage solutions. The rigorous testing procedures ...



## Energy Storage Solution (ESS) , HUAWEI Smart PV Global

World's First Highest-Level Safety Certification  
Huawei's Smart String Grid-Forming ESS sets a new standard for safety with its refined protection features. With innovative active pack-level ...



## Huawei Digital Power APAC promotes BESS safety at 3rd ...

Nov 15, 2024 · Huawei Digital Power APAC recently concluded its 3rd Smart PV technology workshop in Shenzhen, focused on Battery Energy Storage System (BESS) safety.

## Huawei Digital Power's Full-Lifecycle BESS Safety ...

Nov 28, 2025 · The appraisal committee unanimously affirmed that the system achieves a world-leading level, closing critical technical gaps in battery energy storage system (BESS) safety

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## Huawei Digital Power APAC promotes BESS ...

Nov 15, 2024 · Huawei Digital Power APAC recently concluded its 3rd Smart PV technology workshop in Shenzhen, focused on Battery Energy ...



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