

SolarTech Power Solutions

Huawei Energy Storage Equipment Standards

Lithium battery parameters

Product capacity: 100Ah

Product size: 135*197*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



Overview

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).

What is Huawei ESS safety design?

In the current and future exploration, Huawei is committed to systematic safety design for C&I ESSs in three dimensions: device, asset, and personal. Huawei uses industry-leading safety protection technologies to cope with complex ESS safety challenges in scenarios and provide more reliable solutions for property owners.

What onsite control standards does Huawei provide?

In the mass production phase, Huawei provides onsite control standards (CTQ* or CTS*) of more than 200 articles for suppliers to ensure cell safety in manufacturing processes. Basically no tests. Cells are accessed based on the specifications and warranty of vendors • No strict requirements on cell specifications, with delivery as the main focus.

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 technology?

Energy storage technologies can be applied to the power side, user side, and grid side. On the user side, ESS is mainly used with renewable energy systems

such as PV systems to improve self-consumption rate, implement peak staggering, manage demand charges, and improve power supply reliability.

What if a Huawei ESS emits smoke or catches fire?

Issue 01 (2023-12-30) Copyright © Huawei Digital Power Technologies Co., Ltd. 34 LUNA2000 Energy Storage System Safety Information 7 Emergency Handling If a Huawei ESS emits smoke or catches fire, household members should not dispose of the ESS by themselves. Follow the processes in the flowchart below. The detailed description is as follows: 1.

Huawei Energy Storage Equipment Standards



White Paper Ensuring the Safety of Energy Storage

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Apr 24, 2023 · Introduction Energy storage systems (ESS) are essential elements in global efforts to increase the availability and reliability of alternative energy sources and to reduce our ...

Lithium for All , Huawei Digital Power

Huawei's intelligent lithium battery solutions provide dynamic peak shifting, transforming traditional backup power systems into efficient energy storage solutions that enhance system flexibility

...



Huawei and ASEAN Centre for Energy Launch New Safety Standards ...

Jul 16, 2025 · The ASEAN Energy Data Centre, jointly developed by ACE and Huawei, was unveiled, marking a key advancement in regional energy collaboration. This facility embodies ...



What technologies does Huawei use for energy storage?

Sep 14, 2024 · Huawei employs a variety of advanced technologies for energy storage, combining innovation with efficiency to optimize power management systems. 1. Lithium-ion battery ...



LUNA2000 Energy Storage System Safety Information

Jan 11, 2024 · Non-standard and improper operations on the energized equipment may cause fire, electric shocks, or explosion, resulting in property damage, personal injury, or

Battery Energy Storage Systems: Main Considerations for ...

5 days ago · This webpage includes information from first responder and industry guidance as well as background information on battery energy storage systems (challenges & fires), BESS ...





Energy Storage System Products List , HUAWEI Smart PV ...

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.

Huawei launches the Industry's First hybrid cooling Energy Storage

Mar 24, 2025 · Huawei Digital Power Sub-Saharan Africa announces a ground-breaking solution that will meet the dynamic demands of the commercial and industrial (C& I) energy storage ...



Huawei's Energy Storage System Sets New Safety Standards

Mar 5, 2025 · With its all-scenario ignition testing aligned with international standards, Huawei set a new level of rigor in evaluating energy storage safety. In demonstrating the prowess of the ...

Huawei Digital Power 2022

Sustainability Report

Oct 23, 2023 · Centering on "Source-Grid-Load-Storage", Huawei Digital Power builds the energy digitalization enabling platform, opens Huawei native applications and partner SaaS ...



Huawei Reveals a Next-Generation Site Power ...

Mar 4, 2025 · At MWC Barcelona 2025, He Bo, President of Huawei Data Center Facility & Critical Power Product Line, unveiled the next-generation site power ...

Huawei Digital Power's All-Scenario Grid Forming ESS ...

May 6, 2025 · Huawei FusionSolar is committed to the strategic goal of reshaping the all-scenario grid forming standards. Huawei provides global customers and partners with fully grid-forming ...



How is Huawei's energy storage power station



equipment?

Jul 25, 2024 · Huawei's energy storage power station equipment is characterized by 1. advanced technology and innovation, 2. high efficiency and reliability, 3. versatility in applications, and 4. ...

Lithium Battery Storage System , Huawei Digital Power

Jul 1, 2025 · An energy storage system with higher energy density is needed in the 5G era. Intelligent lithium batteries that combine cloud, IoT, power electronics, and sensing ...



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