

# **Huawei solar container battery research and development**





## Overview

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Why is Huawei pursuing solid-state battery development?

By pursuing solid-state battery development, Huawei joins a growing list of global automakers and tech companies such as BMW, Mercedes-Benz, Volkswagen, and BYD, all racing to unlock safer, lighter, and faster-charging batteries to transform the future of electric mobility.

Does Huawei have a sulfide-based solid-state battery?

US survey reveals a messy mystery Huawei has filed a patent detailing a sulfide-based solid-state battery design with energy densities between 180 and 225 Wh/lb, roughly two to three times higher than today's typical electric vehicle batteries.

Does Huawei make power batteries?

While Huawei does not manufacture power batteries, it has shown increasing interest in upstream battery materials. Earlier in 2025, the company filed a separate patent on the synthesis of sulfide electrolytes — a key material known for its high conductivity but also high cost, sometimes exceeding the price of gold.

What batteries will be used with Huawei smart string ESS luna2000-2.0mwh-4hl batteries?

Specifically, it will use containers with Huawei Smart String ESS LUNA2000-2.0MWH-4HL batteries combined with its Luna 2000-200KTL-HO inverters. Huawei has recently emerged as one of the largest BESS providers globally, in the top five according to research last year by Wood Mackenzie.



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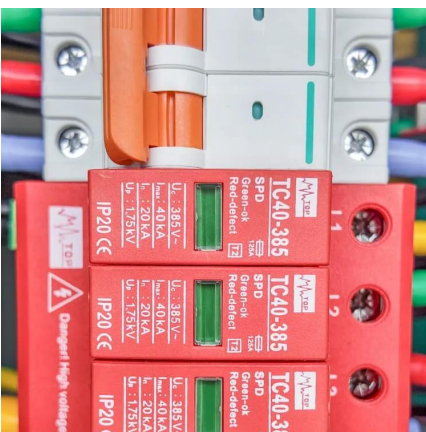
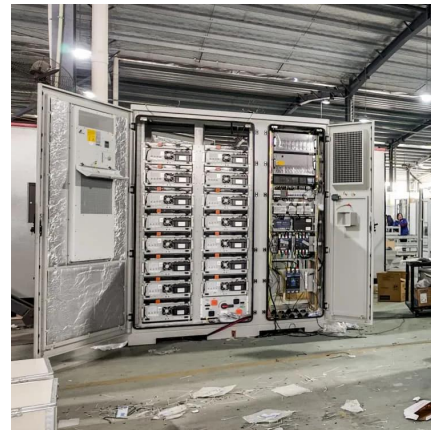


### [Inside Huawei's energy storage battery container](#)

What are Huawei energy storage technologies? Huawei's energy storage technologies extend battery life, ensure safe operation and simplify maintenance and servicing (O& M) through ...

### [What is Huawei doing with energy storage?](#)

The commitment of Huawei to energy storage is underscored by its robust investment in research and development strategies designed to cultivate state-of-the-art battery technologies.



### [Huawei's 3,000km solid-state battery patent with 5-minute ...](#)

Huawei has stepped up its ambitions in advanced energy storage with a patent for a sulfide-based solid-state battery that offers driving ranges of up to 3,000 kilometres and ultra ...

### [204MW BESS project planned in Romania ...](#)

The ANPM's decision document revealed that the project will utilise BESS and power conversion system (PCS) technology from China-headquartered electronics firm Huawei.



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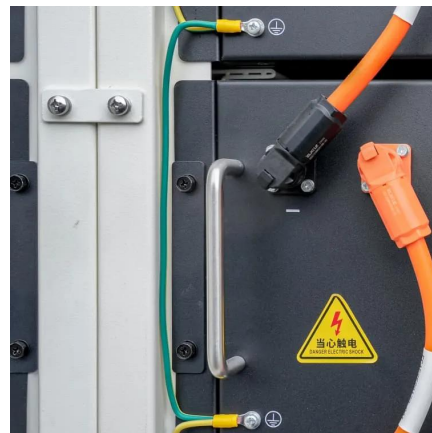


### [Huawei to equip SPNEC's massive solar ...](#)

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### [Huawei container energy storage system ranking](#)

About Huawei container energy storage system ranking Huawei and BYD were among the five largest battery energy storage system (BESS) integrators globally last year, ...



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### [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.

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