

SolarGrid Energy Solutions

Huawei s new energy storage battery material



Overview

Does Huawei have a sulfide battery?

Huawei has intensified its ambitions in advanced energy storage by patenting a sulfide-based solid-state battery capable of achieving driving ranges of up to 3,000 kilometres and ultra-fast charging in just five minutes.

What is Huawei sulfide-based solid-state battery technology?

Huawei is set to make a significant advancement in energy storage with its latest development in solid-state battery technology. The tech giant has recently unveiled a patent for a sulfide-based solid electrolyte, a crucial component for next-generation lithium-ion 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.

Why is Huawei pursuing solid-state battery research?

Huawei's engagement in solid-state battery research reflects a wider trend among Chinese technology and automotive companies. Although Huawei does not manufacture power batteries directly, its growing interest in upstream battery materials is notable.

What is Huawei's new patent on sulfide solid-state batteries?

(Via) Huawei's new patent on sulfide solid-state batteries addresses liquid battery degradation, promising high energy density, safety, long life, and stability for EVs and storage.

What is Huawei EV battery technology?

This technology tackles a persistent challenge in the battery industry: degradation of liquid electrolytes. By substituting liquid components with solid electrolytes, Huawei aims to upgrade energy storage systems, especially for EVs. Current battery technology uses liquid or gel electrolytes to transfer lithium ions between the anode and cathode.

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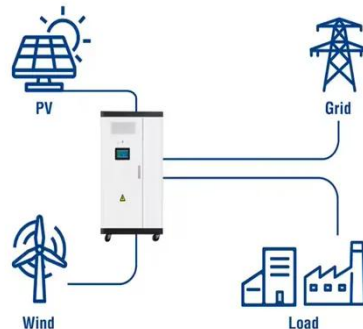
What is Huawei doing with energy storage?

Sep 25, 2024 · In summary, Huawei's strategic priorities in energy storage are multi-faceted and aim to reshape not only the company itself but also the ...

Huawei Patents 3,000km Solid-State Battery with 5-Minute ...

Jun 19, 2025 · Huawei has intensified its ambitions in advanced energy storage by patenting a sulfide-based solid-state battery capable of achieving driving ranges of up to 3,000 kilometres ...

Utility-Scale ESS solutions



New sodium-ion developments from CATL, BYD, ...

Nov 28, 2024 · Sodium-ion batteries are undergoing a critical period of commercialization with Chinese cleantech juggernauts actively working on ...

Keppel, Huawei to jointly develop renewable energy solutions

May 13, 2025 · Photo: Huawei Follow us on Facebook and join our Telegram channel for the latest updates. Keppel's Infrastructure Division signed a non-binding memorandum of ...



China's tech giant claims 1,800-mile range for ...

Jul 5, 2025 · 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 ...

Huawei LUNA1: The future of home energy storage

Mar 29, 2024 · Furthermore, Huawei's patented cold and hot compartment structure overcomes heat-related problems posed by high-flow battery cells. ...



Huawei Patents A New Solid-state Battery With ...

"By doping sulfide electrolytes with nitrogen," Huawei says, the new



formulation could finally overcome two of the biggest hurdles--thermal instability and rapid ...

Huawei's new 3,000 km solid-state battery ...

Jun 19, 2025 · Huawei is on course to release a dry solid state battery with energy density between 400 and 500 Wh/kg, with a full recharge in 5 min



The Salient Advantages of Battery Energy Storage Systems

Apr 22, 2024 · Unlock the advantages of battery energy storage systems! Power your future, optimize energy use and foster sustainability. Read on for more!



Huawei Solid-State Battery: 5-Min Charge, 3,000 km range

Jul 3, 2025 · In an effort to improve its energy storage, Huawei has submitted a

patent application for a battery with a 3,000-kilometre range and a five-minute charging time. Compared to ...



Huawei's 3,000 km Solid-State EV Battery: Is It ...

Jul 18, 2025 · What Makes This EV Battery Different? Huawei's breakthrough is based on a nitrogen-doped sulfide solid-state battery, which claims to reach ...

Huawei Unveils New All-Scenario Smart PV and ...

[Munich, Germany, May 10, 2022]
Huawei today announced all-new smart photovoltaic (PV) and energy storage solutions at Intersolar Europe 2022. The ...



Huawei's New Solid-State Battery Patent ...

Nov 7, 2024 · Huawei has recently filed a new patent for solid-state battery

technology, marking a significant step in the energy storage field. The aim of ...



Huawei's New Battery Innovation Could Reshape ...

Nov 8, 2024 · The tech giant Huawei has recently filed a new patent application that could reshape the future of battery technology.



Huawei Releases Top 10 Trends of FusionSolar ...

Jan 5, 2025 · According to Steven Zhou, renewable energy policies have been favorable in 2024, and the PV and energy storage industry will maintain ...



Huawei plans to invent solid-state battery tech, ...

Nov 7, 2024 · Huawei has recently issued a new patent regarding solid-state

battery tech. It would be a wonderful implementation in the energy storage ...



Battery Energy Storage Systems Report

Jan 18, 2025 · This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their ...

What Innovations Are Being Introduced in Huawei Battery ...

Apr 11, 2025 · How Is Huawei Improving Battery Lifespan with Graphene-Based Solutions? Huawei is pioneering graphene-based batteries to enhance lifespan and energy density. ...



Empowering Renewables: The Pivotal Role and

Apr 6, 2024 · Uncover the importance of energy storage technologies! Learn their



essential role in renewable energy, core techniques, innovative advancements, and major impacts.

Huawei's new 3,000 km solid-state battery ...

Jun 19, 2025 · Huawei's headline targets remain eye-catching: 400-500 Wh kg⁻¹ cell energy density -- roughly triple today's LFP EV packs. Full recharge in ...



Huawei Unveils Next-Gen Grid-Forming Energy ...

May 8, 2025 · At Intersolar Europe 2025, Huawei Digital Power's Intelligent PV Business Unit today launched a groundbreaking full-scenario grid-forming ...

Huawei's 3,000km solid-state battery patent with ...

Jun 18, 2025 · 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 ...



Huawei to boost EV range with sulfide-based ...

Nov 10, 2024 · Chinese tech giant Huawei has filed a new patent for a sulfide-based solid electrolyte that aims to upgrade lithium-ion batteries by replacing ...

Huawei Unveils New All-Scenario Smart PV and Energy Storage ...

May 10, 2022 · Huawei draws on more than ten years of R&D experience in energy storage systems to deliver a unique smart string structure that integrates digital, power electronics, and ...



Intelligent, Green Energy for a Better Planet

Sep 22, 2021 · Various new energy storage technologies, such as



compressed-air energy storage, electrochemical energy storage, and thermal (cold) energy ...

Huawei's new breakthrough in solid-state batteries: sulfide ...

Huawei's new patent reveals the preparation method of its sulfide solid electrolyte material, which is designed for use in lithium-ion batteries and significantly improves battery performance.



Huawei to boost EV range with sulfide-based ...

Nov 10, 2024 · In a move that would provide major boost to battery technology in electric vehicles (EVs), Chinese tech conglomerate Huawei has filed a new ...

Huawei Patents Battery Tech With 3000km ...

Jun 18, 2025 · The new battery architecture features an impressive

energy density of 400-500 Wh/kg, up to three times higher than conventional lithium ...



Huawei's New Battery Innovation Could Reshape ...

Nov 8, 2024 · Huawei files a new patent for doped sulfide solid-state battery technology, promising enhanced safety, performance, and longevity for EVs ...

Huawei's huge battery breakthrough! New solid state tech ...

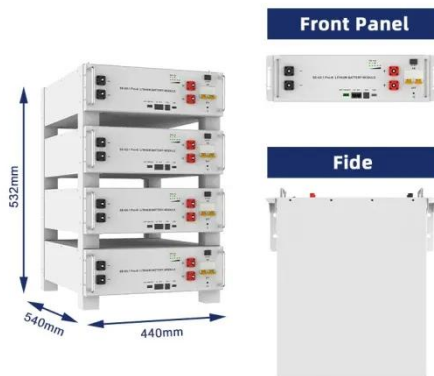
Jun 24, 2025 · Smartphone giant and EV investor Huawei has challenged CATL and BYD's supremacy by inventing a pioneering new battery that blends an incredible range of up to ...



Huawei LUNA S1 - 7/14/21 kWh: in-depth ...

Feb 11, 2025 · In this article, we will delve into the new Huawei LUNA S1

energy storage system, designed to provide maximum flexibility and optimization, ...



Huawei Patents New Solid-State Battery That ...

Jun 27, 2025 · The company expects this system to offer between 400 and 500 watt-hours of energy storage capacity per kilogram of weight. The battery is ...



Battery Energy Storage System (BESS): In-Depth ...

Apr 7, 2024 · Maximize your energy potential with advanced battery energy storage systems. Elevate operational efficiency, reduce expenses, and amplify ...



Huawei's 3,000km Battery Patent Jolts Global EV Industry

Jun 18, 2025 · Contents Huawei has intensified its push into advanced energy

storage by filing a patent for a sulfide-based solid-state battery. This battery promises a 3,000km driving range ...

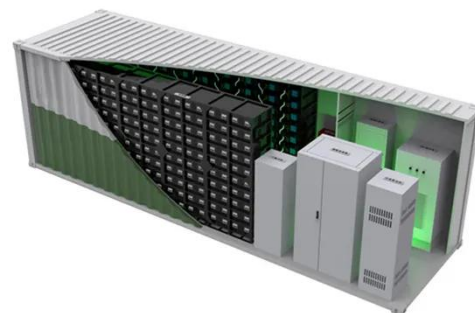


Huawei and Keppel join forces to drive renewable energy ...

May 13, 2025 · Through this partnership, we will harness Huawei's digital power technologies and Keppel's deep expertise in energy infrastructure to enhance the reliability and seamless ...

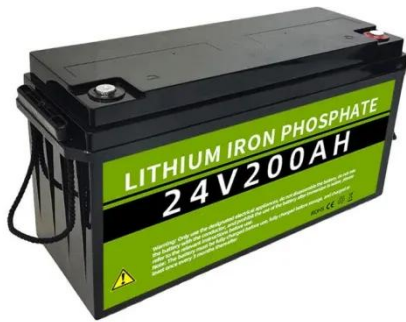
Huawei files patent for a new solid-state battery ...

Nov 6, 2024 · Huawei is set to make a significant advancement in energy storage with its latest development in solid-state battery technology. The tech giant ...



Huawei plans to invent solid-state battery tech, reveals new ...

Nov 7, 2024 · Huawei plans to invent solid-state battery tech, reveals new



patent Huawei has recently issued a new patent regarding solid-state battery tech. It would be a wonderful ...

Huawei Patents Innovative Solid-State Battery ...

Nov 7, 2024 · Huawei is making big strides in energy storage with its new solid-state battery technology. The tech leader has recently announced a patent for ...



Advancements in Sodium-Ion Batteries by CATL, ...

Dec 3, 2024 · Sodium-Ion Batteries: The Latest Advancements Sodium-ion batteries are advancing rapidly with significant contributions from Chinese ...



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