



SolarGrid Energy Solutions

Huawei Beijing Power Storage Vehicle



Overview

Will Huawei's 3,000 km solid-state battery patent change EV technology?

Still, Huawei's 3,000 km solid-state battery patent is an exciting development in EV technology. Its claims of high energy density and ultra-fast charging, if proven at scale, could greatly change how EVs are built, charged, and used. While challenges remain, this innovation reflects the growing pace of change in clean transport.

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 does Huawei's patent mean for EV battery development?

Huawei's patent focuses on a few key improvements that address common problems in solid-state battery development, including: This gives the battery a much longer driving range. Under China's CLTC test cycle, the range reaches 3,000 km. Under the stricter U.S. EPA test, it would still exceed 2,000 km, well beyond most current EV models.

Will Huawei enter EV battery market?

Huawei's entry into the EV battery market adds momentum to an already competitive space. Its solid-state battery offers up to 500 Wh/kg in energy density and charges in just five minutes. This could set new industry standards and urge competitors to accelerate their development.

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 EV battery?

Huawei's breakthrough is based on a nitrogen-doped sulfide solid-state battery, which claims to reach energy densities between 400 and 500 watt-hours per kilogram (Wh/kg). That's about 2 to 3 times more than the energy density of most current lithium-ion EV batteries.

Huawei Beijing Power Storage Vehicle



China's Huawei unveils world's first 100MW ...

1 day ago · China's Huawei has officially launched the world's first 100 MW-class supercharging facility for electric trucks, demonstrating a new era of high ...

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 3,000km Battery Patent Just Lit a Fire ...

Jun 26, 2025 · In a move that sent shockwaves through the automotive and energy sectors, Huawei has filed a patent for a sulfide-based solid-state ...

Advancing the Development of New Power and ...

Dec 22, 2023 · This strategy will transform a large fleet of NEVs into a massive "portable energy storage" system, allowing for flexible and adjustable ...



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

Jun 19, 2025 · Huawei's 3,000km Solid-State Battery Patent with 5-Minute Charge Ignites Industry Race -- Huawei has intensified its ambitions in advanced energy storage by patenting a ...

2024 Huawei DriveONE & Smart Charging ...

Jul 16, 2025 · We will launch the intelligent power domain solutions for battery electric vehicles and extended-range electric vehicles, and the fully liquid ...



Intelligent Automotive Solution 2030

Apr 30, 2022 · Bringing intelligence to every vehicle will empower intelligent driving, intelligent spaces, intelligent services, and intelligent operations in

the ...



Proekt e`lektrostanczii Huawei Beijing Energy Storage

What will Huawei do in the future?
Huawei will continue to increase R&D investment in core technologies such as grid forming, energy storage safety, digitalization, and work with industry ...



China Unicom Beijing and Huawei Present "5G ...

[Beijing, China, December 14, 2021]
China Unicom Beijing and Huawei updated media today on their progress with "5G Capital" project by showcasing their ...

Imagine Driving 1,860 Miles on a Single Charge: How Huawei...

Jun 21, 2025 · Huawei's patent for a solid-state battery capable of powering a car for 1,860 miles and recharging in five minutes is audacious, perhaps even

visionary. While it may take years ...



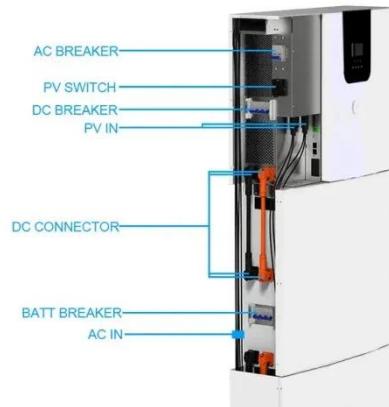
Petal to the Metal

Apr 27, 2024 · The 2024 Beijing Auto Show is taking place from April 25 to May 4, 2024, at the Shunyi and Chaoyang pavilions of the China International Exhibition Center in Beijing.

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12th Energy Storage Int'l Conference and Expo held in Beijing

Apr 12, 2024 · People visit the booth of Huawei at the 12th Energy Storage International Conference and Expo (ESIE) at Shougang Exhibition and Convention Center in Beijing, capital ...



Huawei, BAIC Bluepark Launch First Co ...

(Yicai) Aug. 7 -- Huawei Technologies and Chinese auto giant BAIC Bluepark New Energy Technology have launched their first jointly developed electric ...



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

Nov 28, 2024 · The product has a power output of 1,155 kW and a storage capacity of 2.3 MWh. Its nominal voltage stands at 1,200 V, and the voltage ...



The Real China Model

3 days ago · The country has invested heavily in ultrahigh voltage transmission lines, which can carry electricity efficiently over long distances, and in all types of battery storage. This ...

BAIC BJEV Enters the Comprehensive ...

Beijing China, Sept.26, 2021--Beijing Electric Vehicle Co., LTD. (BAIC BJEV) announced a comprehensive cooperation agreement with Huawei ...



China Unicom and Huawei Pilot Large-Scale 5.5G ...

Jan 25, 2024 · China Unicom Beijing and Huawei have successfully deployed a pilot large-scale 5.5G network in Beijing to provide continuous coverage in ...

Digitalization empowers China's auto industry with more ...

Aug 14, 2025 · A Huawei electronic vehicle on display at the Shanghai Auto Show on April 19, 2021. [Photo/IC]
BEIJING -- Digitalization has provided China's automobile industry with more ...



'A different animal': Inside Huawei's new EV ...

Dec 18, 2024 · Shenzhen , Beijing , At Huawei's electric vehicle division, a giant screen highlights two of the biggest changes in human mobility in the past

150 ...



Huawei announced its "One Body, Three Sides" ...

Apr 26, 2024 · Beijing, China, April 24, 2024 - Today, on the eve of the 18th Beijing International Automobile Exhibition, Huawei Digital Power held the 2024 Huawei Smart Electric & Smart ...



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

Jul 18, 2025 · Huawei has filed a patent for a new type of solid-state electric vehicle (EV) battery that could significantly change the future of clean transportation. The technology promises a ...

12th Energy Storage Int'l Conference and Expo ...

Apr 12, 2024 · People visit the booth of Huawei at the 12th Energy Storage International Conference and Expo (ESIE)

at Shougang Exhibition and ...



Huawei, BYD in top 5 system integrators amidst ...

Oct 31, 2023 · Huawei and BYD were among the five largest battery energy storage system (BESS) integrators globally last year, with the Chinese market ...

Huawei's Solid-State EV Battery Patent Promises 2,000-Mile ...

Jun 30, 2025 · Huawei has sent shockwaves through the electric vehicle (EV) industry with a newly filed patent for a revolutionary solid-state EV battery that could deliver an astonishing ...



Huawei Digital Power and Peak Energy Sign MoU at SNEC ...

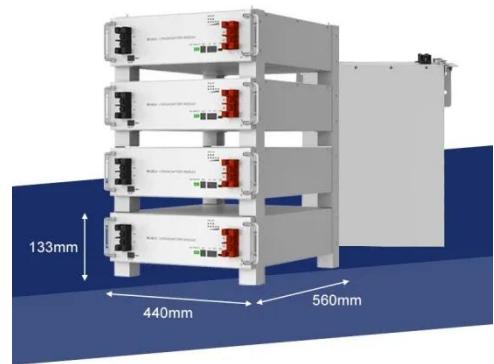
Jun 17, 2025 · Huawei Digital Power will provide its next-generation Smart PV solutions, integrating advanced power electronics, and energy storage

capabilities to maximize energy ...



BAIC BJEV Claims No.1 Chinese New Energy ...

Jan 5, 2021 · China Beijing, December 22nd 2020--Beijing Electric Vehicle Co., LTD (BAIC BJEV) is listed into 2020 Chinese Most Influential Brands (17th ...



The Ultimate Guide to Battery Energy Storage ...

Apr 6, 2024 · Battery Energy Storage Systems (BESS) have become a cornerstone technology in the pursuit of sustainable and efficient energy ...

???Sijia Liu

Postdoctoral Researcher at Huawei Central Research Institute · Experienced Researcher with a demonstrated history of working in the automotive industry. ...



Huawei's Hou Jinlong: Jointly build a supercharging network ...

Apr 24, 2024 · For the automotive electrification industry, Huawei Digital Power is positioned as a provider of power domain and charging network solutions. In the field of smart electric ...

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 files patent for a sulfide-based solid-state battery ...

Jun 23, 2025 · Huawei has advanced its efforts in energy storage by patenting a sulfide-based solid-state battery. This innovation aims to provide a driving

range of up to 3,000 km with ...



Beijing Automotive

In 2023, sales of BJ30 and BJ40 hybrid and electrified models increased by more than 60% year-on-year, sales of new energy models increased by 46.6%, and ...



- IP65/IP55 OUTDOOR CABINET
- WATERPROOF OUTDOOR CABINET
- 42U/27U
- OUTDOOR BATTERY CABINET

What is Beijing Energy Storage Vehicle? , NenPower

Aug 13, 2024 · The Beijing Energy Storage Vehicle serves as a pivotal development in modern transportation technology, providing significant advantages through energy efficiency, capacity ...

Mobility Electrification: Embracing the Future , Huawei Digital Power

Jan 3, 2025 · Additionally, the systems interact with the power grid to implement bidirectional energy flow

between vehicles and the power grid, providing energy storage and peak-shaving ...



Huawei's World-Leading Smart String Grid-Forming ESS ...

Jul 30, 2024 · [Beijing, China, July 28, 2024] Huawei's Smart String Grid-Forming Energy Storage System (ESS) underwent a rigorous technology appraisal meeting organized by the Chinese ...

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