



WALMER ENERGY

Is Huawei's pack solar container lithium battery a solid-state battery





Overview

The company patented a solid-state battery with an energy density between 400 Wh/kg and 500 Wh/kg. Does Huawei make batteries?

Even though Huawei doesn't manufacture batteries, the company is putting plenty of R&D resources into developing a new solid-state battery tech. The newest patent reveals a battery pack that can go for 1,860 miles away from the plug and fully charge in just five minutes. This is perhaps one of the craziest technologies we've heard so far.

Is Huawei launching a solid-state battery?

Solid-state battery efforts might gain a significant boost from technology giant Huawei. The company patented a solid-state battery with an energy density between 400 Wh/kg and 500 Wh/kg. The battery uses a sulfide-based electrolyte and a lithium-metal anode, promising better ionic conductivity compared to other solid-state battery cells.

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.

Will Huawei's new battery improve energy storage?

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 traditional lithium-ion cells, the new sulphide-based solid-state battery will have energy densities between 400 and 500 Wh/kg, or two to three times higher.



Is Huawei's pack solar container lithium battery a solid-state battery?

Solid State Battery

Solid State Battery are any battery technology that uses solid electrodes and solid electrolyte. This offers potential improvements in energy density and ...

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

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 sector. It will further act as a vital ...

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

Jul 3, 2025 · Compared to traditional lithium-ion cells, the new sulphide-based solid-state battery will have energy densities between 400 and 500 Wh/kg, or two to three times higher. In an ...

Huawei says its new solid-state EV battery can give you

Jul 2, 2025 · Huawei has filed for patents for a sulfide-based, all-solid-state battery. The company theorizes it could unlock up to 3,000km (1,864 miles) of range. Ultra-fast charging could top the ...

Huawei's 3,000km solid-state battery patent with 5-minute ...

Jun 18, 2025 · The patent outlines a solid-state battery architecture with energy densities between 400 and 500 Wh/kg, potentially two to three times that of conventional lithium-ion cells. The ...

What is a Solid State Lithium Battery and How It ...

Dec 31, 2024 · Have you ever wondered what powers the devices you rely on every day? With technology advancing rapidly, the need for safer and more efficient energy storage solutions is ...

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

Jul 18, 2025 · Huawei's patented solid-state battery promises 3,000 km range & 5-min charging, pushing EV limits -- but real-world hurdles remain.

Huawei plans to invent solid-state battery ...

Nov 7, 2024 · Huawei has recently issued a new patent regarding solid-state battery tech. It would be a wonderful implementation in the energy ...

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 ...

What are solid-state batteries and why do we ...



Oct 24, 2023 · In solid-state batteries, you might find one of a whole host of promising materials replacing the lithium, including ceramics and sulphides.

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

Jul 18, 2025 · Huawei's patented solid-state battery promises 3,000 km range & 5-min charging, pushing EV limits -- but real-world hurdles remain.

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

Jun 24, 2025 · Taking the battery-making industry by surprise, the fresh filing is for a solid-state style battery delivers an energy density of between 400 and 500Wh/kg - two or three times ...

Huawei's huge battery breakthrough! New ...

Jun 24, 2025 · Taking the battery-making industry by surprise, the fresh filing is for a solid-state style battery delivers an energy density of between 400 ...

Huawei Announces 3,000-km Sulfide-Based Solid-State Battery, Nobody

Jul 1, 2025 · The battery uses a sulfide-based electrolyte and a lithium-metal anode, promising better ionic conductivity ...

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

Jun 19, 2025 · Traditional "wet" solid-state cells still suspend ceramic or sulfide particles in a gel electrolyte. Dry designs press a thin, fully dense ...

Huawei patents a new solid-state battery with 1,860 miles ...

Even though Huawei doesn't manufacture batteries, the company is putting plenty of R&D resources into developing a new solid-state battery tech. The newest patent reveals a battery ...

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

Nov 10, 2024 · Huawei has filed a new patent for a sulfide-based solid electrolyte that aims to upgrade lithium-ion batteries, especially for EVs.

China's tech giant claims 1,800-mile range for solid-state EV battery

Jul 5, 2025 · China's tech giant claims 1,800-mile range for solid-state EV battery, files patent Huawei's patent application reveals that its battery uses a method of doping sulfide ...

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

Jul 5, 2025 · China's tech giant claims 1,800-mile range for solid-state EV battery, files patent Huawei's patent application reveals that its battery ...

What Are Solid State Batteries and How Long Do Solar Batteries ...

Aug 11, 2025 · Dive into solid-state battery technology, explore average lifespans and costs of solar batteries (Lithium-ion, LiFePO4, Lead-acid), and learn factors affecting their performance.

Huawei patents a new solid-state battery with ...



Even though Huawei doesn't manufacture batteries, the company is putting plenty of R&D resources into developing a new solid-state battery tech. ...

Huawei's new 3,000 km solid-state battery patent matters a lot

Jun 19, 2025 · Traditional "wet" solid-state cells still suspend ceramic or sulfide particles in a gel electrolyte. Dry designs press a thin, fully dense solid electrolyte directly against a lithium ...

Huawei's Sulfide Solid-State Battery Claims ...

Jun 30, 2025 · Huawei filed a patent for a sulfide solid-state battery, claiming a 3,000 km range and five-minute recharge using nitrogen-doped ...

Huawei says its new solid-state EV battery can ...

Jul 2, 2025 · Huawei has filed for patents for a sulfide-based, all-solid-state battery. The company theorizes it could unlock up to 3,000km (1,864 ...

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