Huawei develops flow battery

Overview

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.

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 have a sulfide battery?

Huawei 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 upstream batteries?

Huawei has shown an increasing interest in upstream battery components even though it does not produce power batteries. Earlier in 2025, the company filed a separate patent application for the manufacturing of sulphide electrolytes, a vital material that is costly and sometimes more costly than gold because of its strong conductivity.

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 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.

Huawei develops flow battery

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

Huawei patents solid-state battery with 3,000 km range and 5-minute charge, promising breakthrough energy density and fast charging.

Huawei Says Its New EV Battery Could Go 1,800 Miles on One ...

If commercialized, Huawei claims the battery could enable EVs to travel up to 3,000 kilometers (roughly 1,864 miles) on a single charge. Additionally, it suggests the battery could ...

Huawei Patents New Solid-State Battery That Could Change The ...

In fact, Chinese firm Huawei recently patented a solid-state battery design in China that could rock the world. According to a report from SynergyFiles , the company's new design features a

[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 ...

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

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

The breakthrough in flow batteries: A step forward, but ...

Flow batteries are emerging as a transformative technology for large-scale energy storage, offering scalability and long-duration storage to ...

Liquid flow energy storage, targeted by Huawei, has emerged as ...

Zhang Feng said that Huawei has been paying close attention to the development of the liquid flow battery industry. In October 2022, the world's largest power and capacity 100-megawatt ...

Lessons from a decade of vanadium flow battery development: ...

4 days ago· Researchers shared insights from past deployments and R& D to help bridge fundamental research and fielded technologies for grid reliability and reduced consumer ...

Huawei files patent for a new solid-state battery tech

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

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

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

Huawei developing solid-state battery that supposedly ...

Huawei has filed a patent for a solid-state battery with extremely a high energy density and charging speeds. The announced range of up to ...

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

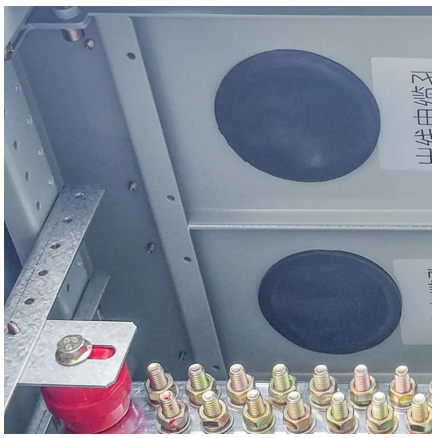
Huawei has stepped up its ambitions in advanced energy storage with a patent for a sulfide-based solid-state battery that offers driving ranges of up to 3,000 kilometres and ultra ...

Huawei is working on EV battery that will last for 1,800 miles on ...

Huawei is developing a solid-state EV battery it says can deliver 1,800 miles of range after a five-minute charge. The project appears in a 2023 patent filing, suggesting it has ...

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

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 ...



Towards eco-friendly redox flow batteries with all bio-sourced cell

Recent research and few pilot deployments have demonstrated promising aqueous organic redox flow battery (RFB) systems. However, the claim that these organic RFB systems ...

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

Huawei patents solid-state battery with 3,000 km range and 5-minute charge, promising breakthrough energy density and fast charging.

Huawei Patents New Solid-State Battery That Could ...

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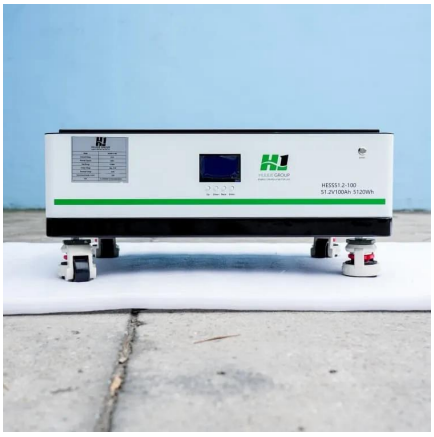
Technology Strategy Assessment

About Storage Innovations 2030 This technology strategy assessment on flow batteries, released as part of the Long-Duration Storage Shot, contains the findings from the ...

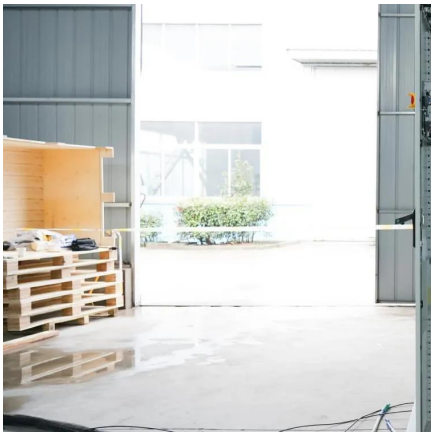


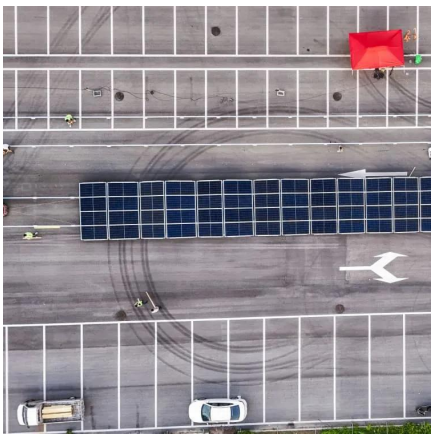
The breakthrough in flow batteries: A step forward, but not a

Flow batteries are emerging as a transformative technology for large-scale energy storage, offering scalability and long-duration storage to address the intermittency of ...

What is the flow battery targeted by Huawei?

Flow battery, also known as redox battery, belongs to a secondary energy storage battery processing technology in which active chemical substances are stored in a liquid electrolyte.





Huawei's Groundbreaking Solid-State Battery Patent Sparks

Huawei's groundbreaking solid-state battery patent promises a 3,000km range and 5-minute charging, potentially revolutionizing the EV industry."

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

Sodium-Ion Batteries: The Latest Advancements Sodium-ion batteries are advancing rapidly with significant contributions from Chinese ...

Sumitomo Electric advanced vanadium redox flow battery

Sumitomo Electric will begin accepting orders for the new VRFB in 2025. This development builds on Sumitomo Electric's decades of expertise in vanadium redox flow ...

Huawei files patent for a new solid-state battery tech

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 ...

Huawei Patents A New Solid-state Battery With 3,000 ...

But this isn't just about numbers on a data sheet. Huawei claims to have addressed one of the most stubborn technical roadblocks in solid-state battery ...

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