Huawei s new energy storage battery material

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.

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.

How much does a Huawei battery cost?
Furthermore, the high production costs, which are currently between 8,000 and 10,000 yuan per kWh (about 1,100-1,400 USD), often prevent mass-market adoption. Huawei patents solid-state battery with 3,000 km range and 5-minute charge, promising breakthrough energy density and fast charging.

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.

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