
Huawei develops flow battery

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.

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.

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.

Chinese telecom giant Huawei has filed a patent for a sulfide-based solid-state battery that claims to deliver a driving range of up to 3,000 kilometers.

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 ...

Vehicle Tech Hybrid & Electric Vehicles Huawei says its new solid-state EV battery can give you 1,800 miles of range and charge in less than 5 minutes, but we have questions

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 ...

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.

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 ...

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 ...

Huawei has developed solid-state battery tech that could make EVs go further and charger faster. Cells have triple the energy-density of li-ion ones and could theoretically give ...

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 ...

