



# Huawei pack battery production





## Overview

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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.

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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-metal anode, eliminating flammable solvents, boosting voltage windows, and taking the theoretical gravimetric.

Huawei's patent application reveals that its battery uses a method of doping sulfide electrolytes with nitrogen to reduce side reactions at the lithium interface. Huawei has filed a patent detailing a sulfide-based solid-state battery design with energy densities between 180 and 225 Wh/lb, roughly.

Huawei is the latest to jump on the SSB bandwagon with a high-energy-density sulfide-based battery. The Chinese company claims an energy density of over 500 Wh/kg, which should power an EV for up to 1,860 miles (3,000 km). However, the numbers don't add up, raising questions about Huawei's.

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Specifically, from January to October 2024, Sunwoda's global power battery loading volume reached 14.3GWh, a year-on-year surge of 68.2%. Its loading growth rate outperformed leading companies such as CATL and CALB, ranking first in the industry. How did Sunwoda achieve growth against the trend?



An energy storage system with higher energy density is needed in the 5G era. Intelligent lithium batteries that combine cloud, IoT, power electronics, and sensing technologies will become a comprehensive energy storage system, releasing site potential. Simple: IoT networking, from manual to Cloud.



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### **Huawei unveils world's largest microgrid, featuring 1.3 GWh of battery**

The smart string storage system enhances capacity and safety through battery pack-level optimization, cluster management, and quadruple safety protections. Huawei's ...

### [Lithium Battery Solutions for Site Power, Huawei ...](#)

Huawei's lithium battery solutions enable intelligent energy storage and peak shifting, upgrading backup power systems to improve flexibility and reliability.



### **Taking the global top spot and entering Huawei's supply chain, ...**

According to the existing plan, the company expects to build a 1GWh solid-state battery production line by 2026, and complete the production of all-solid-state battery samples ...



### **Huawei patents a new solid-state battery with 1,860 miles range**

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battery tech. The newest patent reveals a battery ...



### 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 ...



### [China's tech giant claims 1,800-mile range for solid ...](#)

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

According to TechRadar, Huawei has developed a sulfide-based solid-state battery structure that reportedly increases energy density by two to three times compared to existing batteries. The





## [Huawei Patents An EV Battery Pack With 3,000km Range](#)

In the filed patent, Huawei notes that by doping sulfide electrolytes with nitrogen, the company is developing a battery pack with enhanced electrochemical stability, improved ...



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## [Huawei patents a new solid-state battery with ...](#)

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## [Walton, Huawei tie up for lithium battery production](#)

Under this agreement, Walton will manufacture telecommunication lithium batteries in Bangladesh and eye to launch the ...





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

Huawei's roadmap assumes those costs fall by an order of magnitude as production scales beyond 1 GWh. Rather than building its own cell lines, the company says it ...



## [Huawei unveils world's largest microgrid featuring ...](#)

The smart string storage system enhances capacity and safety through battery pack-level optimization, cluster management, and ...



## Huawei Announces 3,000-km Sulfide-Based 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 ...



## [Walton, Huawei tie up for lithium battery production](#)

Under this agreement, Walton will manufacture telecommunication lithium batteries in Bangladesh and eye to launch the product in the market within the next seven ...



## Taking the global top spot and entering Huawei's ...

According to the existing plan, the company expects to build a 1GWh solid-state battery production line by 2026, and complete the ...



### **Lithium Battery Solutions for Site Power , Huawei Digital Power**

Huawei's lithium battery solutions enable intelligent energy storage and peak shifting, upgrading backup power systems to improve flexibility and reliability.



## Contact Us

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