

# Huawei Madrid Flow Battery





## Overview

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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.

Can Huawei solve problems with solid-state batteries?

Additionally, the company has potentially solved some glaring issues with solid-state batteries. By doping sulfide electrolytes with nitrogen, Huawei improves electrochemical stability and safety and significantly slows down degradation, two of the biggest hurdles keeping solid-state tech from commercialization.

How many miles can a Huawei battery charge?

Huawei promises that its battery technology could deliver around 1,864 miles of range and achieve a 10% to 80% charge in under five minutes.

Does Huawei use sulfide electrolytes?

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. However, beyond this detail, the company is keeping most of its technology under wraps as competition intensifies to safely mass-produce solid-state batteries.



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

Aug 11, 2025 · Huawei joins several other companies working on solid-state designs, including Toyota and BMW, as the global race to improve EV battery technology continues. The timeline ...



[Flow Battery Technology for Power Grid Applications: A ...](#)

Apr 23, 2025 · As renewable energy sources continue to expand, driven by the need for decarbonization and energy security, the demand for advanced energy storage systems ...





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

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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 ...



[Liquid flow energy storage, targeted by Huawei, has ...](#)

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 ...



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

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