



WALMER ENERGY

# Huawei Bahrain makes battery packs





## Overview

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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 safety and reduced degradation. Is Huawei developing a solid-state battery?

According to the patent, Huawei is developing a solid-state battery architecture with an energy density between 400 and 500 Wh/kg—reportedly three times higher than that of conventional lithium-ion cells used in today's electric vehicles.

**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.

**How much power does a Huawei EV battery have?**

Assuming a similar efficiency, Huawei's battery should have more than three times the capacity of Lucid Air's pack to achieve the range claim for an EV. That is, about 350 kWh, which at 500 Wh/kg (let's pretend this energy density is achievable at pack level), should weigh more than 1,500 lb (700 kg).

**What are Huawei's intelligent lithium battery solutions?**

Huawei's intelligent lithium battery solutions provide dynamic peak shifting, transforming traditional backup power systems into efficient energy storage solutions that enhance system flexibility and reliability.



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