



Huawei s new battery energy storage manufacturing base





Overview

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.

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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-fast charging in just five minutes. The development signals a significant push by the tech giant to stake a claim in.

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.

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 ceiling well above 350 Wh kg^{-1} —a point we explored in January, 2025. A Chinese patent filed on 18 June.

Huawei is the latest in a growing list of automakers and tech companies that are exploring the possible benefits of fitting an EV with solid-state batteries, with the likes of BMW, Mercedes-Benz, VW, BYD and Stellantis all publicly touting the tech. Car News China reports that the tech giant has.

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.

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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. This innovative.



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

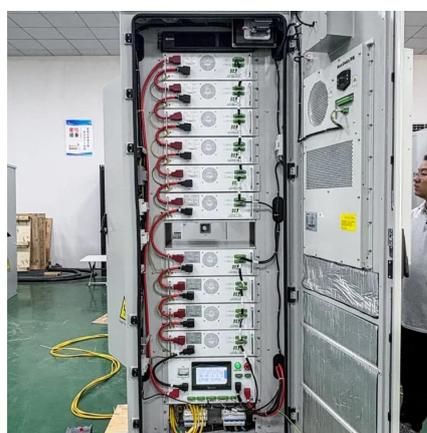
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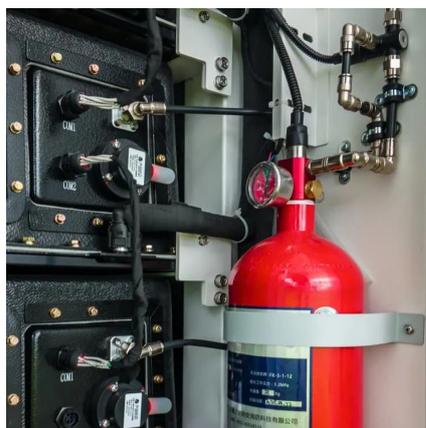
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Huawei's new 3,000 km solid-state battery patent matters a lot

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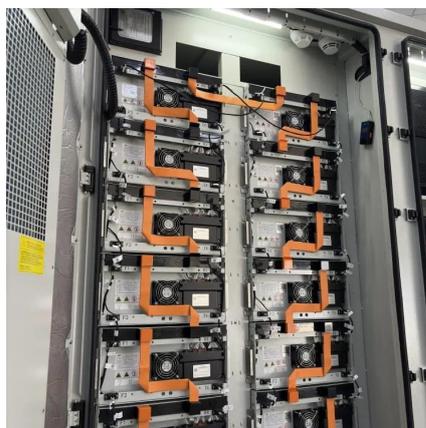
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