



Huawei Astana Power Storage Vehicle





Overview

What is Huawei's new solid-state battery patent?

Huawei's recent announcement of its solid-state battery patent is a significant milestone. Filed in June 2025, this patent promises a battery capable of delivering a staggering 1,864 miles on a single five-minute charge. This advancement is attributed to an energy density between 400 and 500 Wh/kg, nearly double that of current batteries.

Why is Huawei developing a solid-state battery?

Huawei's design aims to boost safety and cycle life by mitigating degradation at this critical junction. Huawei's involvement in solid-state battery research reflects a broader trend among Chinese technology and automotive companies. While Huawei does not manufacture power batteries, it has shown increasing interest in upstream battery materials.

How will solid-state battery technology impact China's eV and tech sectors?

China's EV and tech sectors are aggressively exploring solid-state battery technologies to reduce reliance on established battery suppliers such as CATL and BYD. Companies like Xiaomi, and Nio, depend on third-party battery manufacturers.

Does China have a solid-state battery industry?

However, China has rapidly caught up. According to public data, Chinese entities now file over 7,600 solid-state battery patents annually, representing 36.7% of global activity. Meanwhile, Chinese battery manufacturers are preparing for industrialisation. CATL aims to begin pilot production of a hybrid solid-state battery by 2027.



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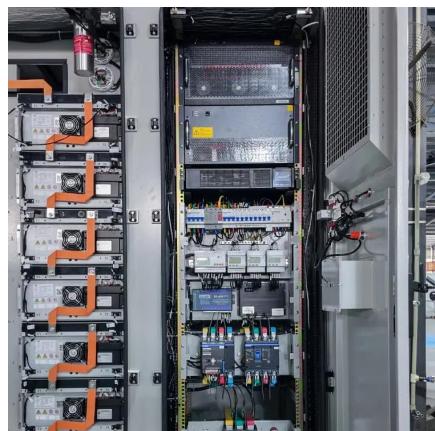
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Dr. Alvarez on BESS and grid-forming tech at Astana conference

GoldenPeaks Capital (GPC) and Huawei's Polish division signed an MoU to deploy 500 MWh of battery energy storage systems (BESS) across Central and Eastern Europe.



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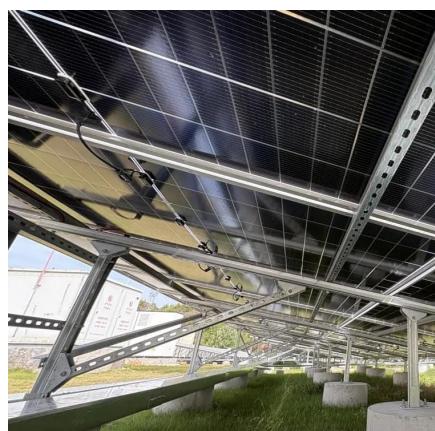
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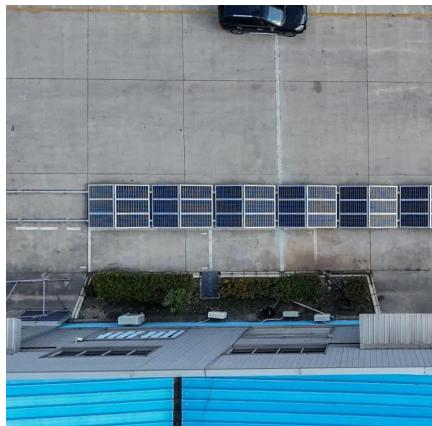
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Huawei leverages energy storage batteries to facilitate and enhance EV charging infrastructure. By allowing for quick charging ...

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"We Just Crushed EV Limits": Huawei

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

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