

# **Xiaomi outdoor power semi-solid battery**





## Overview

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Is Xiaomi launching a solid-state battery?

Xiaomi has disclosed a new patent marking its entry into solid-state battery development. The patent describes a layered electrode structure that improves ionic conductivity and energy density—two critical barriers to commercialising this next-generation battery technology.

Does Xiaomi have a cell-to-body battery?

Xiaomi claims its prototype features a cell-to-body design with a volume efficiency of 77.8%. It reportedly delivers a CLTC-rated range of over 745 miles and supports fast charging. Chinese tech giant Xiaomi has taken a significant step into the solid-state battery race by filing a new patent for a layered electrode design.

What does Xiaomi's new patent mean for solid-state battery development?

Chinese media reported a patent for the technology, which describes a layered electrode structure that improves ion conductivity and energy density. For Xiaomi, the new patent marks the technology company's entrance into solid-state battery development.

Is Xiaomi's solid-state battery technology safe?

Xiaomi has once again set the bar high for the industry with the presentation of its latest solid-state battery technology. The company claims that its solid-state batteries provide a 33% increase in capacity relative to conventional lithium-ion batteries, with no safety concerns regarding puncture-related short circuits and fires.



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### Xiaomi Files Patent for Solid-State Battery as It Joins Race for ...

Jun 15, 2025 · Chinese electronics company Xiaomi has revealed a new patent that outlines a solid-state battery design, marking its formal entry into the development of next-generation ...

### [Xiaomi's Solid-State Battery Promises 500 ...](#)

Jun 18, 2025 · Xiaomi enters the solid-state battery race with bold claims: nearly 500 miles of range added in 10 minutes.



### [Xiaomi registers patent for solid-state battery ...](#)

Jun 16, 2025 · Xiaomi is developing solid-state batteries for its electric cars that enable a range of over 1,200 km, according to Chinese testing ...



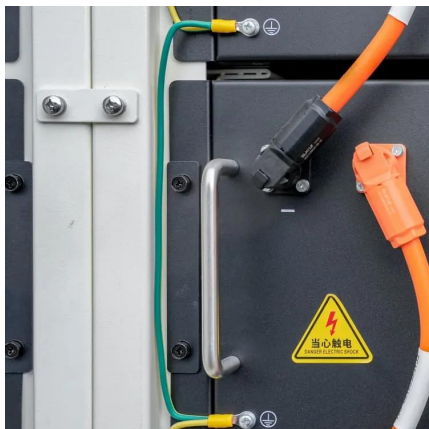
### [Xiaomi's Solid-State Battery Could Go 745 ...](#)

Xiaomi's Patented Solid-State Battery Could Go 745 Miles Xiaomi proved it can build EVs. Now it's getting into solid-state batteries. Is China's 'Apple' ...



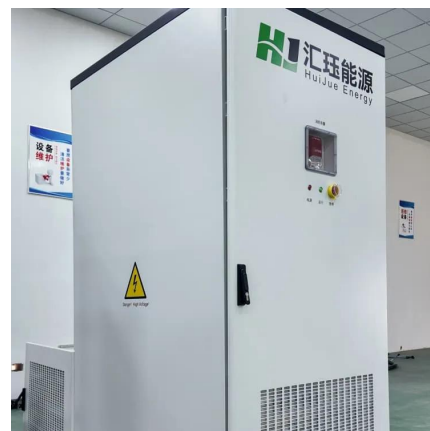
### [Xiaomi's Patented Solid-State Battery Could Go 745 Miles](#)

Jun 18, 2025 · Chinese tech giant Xiaomi, which builds everything from smartphones and laptops to electric cars, is venturing into high-voltage batteries. It has reportedly patented the ...



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### [Xiaomi registers patent for solid-state battery](#)

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### [Xiaomi files solid-state EV battery patent with layered ...](#)

Jun 15, 2025 · China's tech giant files solid-state EV battery patent with layered electrode design  
Xiaomi claims its prototype features a cell-to-body design with a volume efficiency of 77.8%.



### [Xiaomi Solid-State Battery Tech: Doubling ...](#)

Mar 7, 2023 · The technology would enable  
Xiaomi 13 to offer a 6,000 mAh capacity in the same package size as the 4,500 mAh capacity currently ...

### [Xiaomi joins solid-state battery race with new high-density ...](#)

Jun 14, 2025 · Xiaomi has disclosed a new patent marking its entry into solid-state battery development. The patent describes a layered electrode structure that improves ionic ...



### **Xiaomi Solid-State Battery Tech: Doubling Your Phone's Battery ...**

Mar 7, 2023 · The technology would enable  
Xiaomi 13 to offer a 6,000 mAh capacity in the same package size as the 4,500 mAh capacity currently available on the market. The solid-state ...



## [Xiaomi Files Patent for Solid-State Battery as ...](#)

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## [Xiaomi Files New Patent for High Density Solid-State Battery](#)

Jun 17, 2025 · Xiaomi's new patent outlines a high-density electrode for solid-state batteries with layered active materials, conductive agents, binders and a polymer-metal electrolyte. It adapts ...

## [Xiaomi's Solid-State Battery Promises 500 Miles in 10 Minutes](#)

Jun 18, 2025 · Xiaomi enters the solid-state battery race with bold claims: nearly 500 miles of range added in 10 minutes.



## [Xiaomi's Patented Solid-State Battery Could Revolutionize ...](#)

Jun 18, 2025 · > Xiaomi's new solid-state battery could enable electric vehicles to achieve a range of 745 miles, marking a major breakthrough in battery technology.



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