

Xiaomi solid state battery patent

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.

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.

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.

Will China's patent for solid-state batteries be a big deal?

The patent for solid-state batteries could also mean that the Chinese carmaker will be able to integrate in-house solid-state batteries into its electric vehicles in the future, which would reduce its reliance on third-party suppliers like CATL and BYD.

Is Xiaomi's new battery design compatible with existing battery manufacturing lines?

According to the company, the design is compatible with existing lithium battery manufacturing lines, which could simplify future mass production and support a smoother transition to solid-state technology, CarNewsChina reports. Xiaomi notes that its prototype features a cell-to-body (CTB) design with a volume efficiency of 77.8%.

Will Xiaomi's electric cars have a 'solid-state' battery?

Xiaomi is developing solid-state batteries for its electric cars that enable a range of over 1,200 km, according to Chinese testing standards and a fast-charging capability of 800 km in 10 minutes. Chinese media reported a patent for the technology, which describes a layered electrode structure that improves ion conductivity and energy density.

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