

Solid state battery ev in testing

When do solid-state battery road tests start?

Solid-state battery road tests begin. February 24, 2025- Mercedes-Benz engineers from the road and racetrack and Factorial cell engineers have worked together on delivering an all-new solid-state battery test program, which has brought the first car powered by a lithium-metal solid-state battery to the road.

Can a solid-state battery be integrated into a car for road testing?

Together with the motorsport experts from HPP, the Mercedes-Benz Center of Competence for Battery Systems developed a prototype solid-state battery with cells from Factorial that can be integrated into a car for road testing.

Does Samsung have a solid-state EV battery?

A model of Samsung's SDI all-solid-state EV battery cell. (Credit: Bloomberg /Contributor /Bloomberg via Getty Images) Samsung's latest solid-state battery technology will power up premium EVs first, giving them up to 621 miles of range.

Will Mercedes-Benz EQs have a solid-state battery?

The solid-state battery is expected to deliver up to 25 per cent more electric range compared to a conventional battery of the same weight and size that normally comes with the Mercedes-Benz EQS. Mercedes-Benz expects that testing will demonstrate the EQS with solid-state battery can achieve over 621 miles of range - or around 1,000 kilometres.

Does Mercedes have a solid-state EV battery?

Mercedes hit a big milestone, taking its solid-state EV battery tech from the lab to the real world. On Monday, the company announced it has officially put "the first car powered by a lithium-metal solid-state battery on the road" through its partnership with US-based Factorial Energy.

Which EV companies are launching solid-state batteries in 2026?

Stellantis announced plans to launch a fleet of electric Dodge Chargers powered by Factorial's solid-state batteries in 2026. Hyundai, Honda, Toyota, Stellantis, and others aim to mass-produce solid-state batteries by the end of the decade. And don't forget that Chinese EV battery leaders BYD and CATL are also racing to launch solid-state batteries.

After intensive testing on various test benches, the prototype solid-state battery was integrated into an EQS at the end of 2024. The all-electric car from Mercedes-Benz was slightly modified to fit the solid-state battery and ...

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