



# Mercedes solid state battery testing

How did Mercedes-Benz get a solid-state battery?

Mercedes-Benz engineers from the road and racetrack worked in collaboration with Factorial cell engineers to deliver an all-new solid-state battery test program, resulting in the first car powered by a lithium-metal solid-state battery on the road.

Are Mercedes-Benz engineers working on a new solid-state battery?

Mercedes-Benz engineers are working on an all-new solid-state battery powered by a lithium-metal solid-state battery.

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.

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.

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.

The all-electric car from Mercedes Benz was slightly modified to fit the solid-state battery and was equipped with all accessories to operate it. The first laboratory vehicle tests were already conducted in Stuttgart at the end of ...



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