

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.

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.

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.

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.

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.

Following lab and bench testing, engineers modified and equipped a Mercedes-Benz EQS Sedan with a solid-state battery. The vehicle was lab-tested in late 2024, and road tests started in...

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 ...

A Breakthrough for Solid-State Batteries Mercedes-Benz has officially begun real-world testing of an EQS prototype powered by a lithium-metal solid-state battery, a major ...

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The first BMW EVs powered by all-solid-state batteries are now on the road for testing. BMW used an i7 to test the "holy grail" of EV battery tech, promising longer driving range at a lower cost.

On-road tests in a modified EQS began earlier this month following the first lab tests at the end of 2024. The EQS is slightly modified to fit the solid-state battery and other parts.

Mercedes-Benz announced it had tested "the first car powered by a lithium-metal solid-state battery on the road" with Factorial Energy earlier this year using a modified ...

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 ...

Now, for the first time, a major automaker is putting a Solid-State vehicle on the road for testing and delivers 25 percent more range. Mercedes-Benz recently released word ...

Over the next few months, Mercedes-Benz will further test the solid-state battery and its overall performance in an electric vehicle with extensive laboratory and road tests.

Solid-state batteries existed before but were small in capacity for use in the electric cars. After intensive testing on various test benches, the new battery was integrated into a slightly modified Mercedes EQS in late 2024.

Over the next few months, Mercedes-Benz will further test in the lab and on the road the solid-state battery and its overall performance in the electric vehicle. Mercedes-Benz started collaborating with Boston ...

Mercedes-Benz engineers from the road and racetrack, alongside cell engineers from battery developer Factorial, have worked together on delivering an all-new solid-state battery test program, aimed at bringing lithium ...

Mercedes-Benz will start testing solid-state batteries on the road this month, in collaboration with Factorial, a U.S. startup that is also partners with Stellantis and Hyundai-Kia. ...

Mercedes-Benz, together with US-based solid-state battery provider Factorial Energy, has commenced road tests for a lithium-metal solid-state battery in an EQS Sedan.

The solid-state battery design also promises improved safety compared to current lithium-ion batteries. Mercedes-Benz is using knowledge from its Formula 1 team to speed up the ...

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