

Mercedes solid state battery test





Overview

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.

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Mercedes-Benz is testing the world's first production EV with a solid-state battery, promising to deliver over 621 miles of driving range. 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.

German automotive giant Mercedes-Benz announced says it has begun testing a "worlds first" solid-state battery-powered vehicle from a major OEM, which is expected to be capable of delivering up to 1,000 kilometres of electric driving range. The milestone is the work of Mercedes-Benz engineers from.

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. Mercedes AMG High Performance Powertrains (HPP), a.

Mercedes-Benz has commenced real-world testing of a prototype solid-state battery integrated into a modified EQS electric sedan. Developed in partnership with US startup Factorial Energy and Mercedes-AMG's Formula 1 unit HPP, the vehicle aims to validate breakthrough battery performance under.



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 was equipped with all accessories to operate it. The first laboratory. 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.

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.

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?

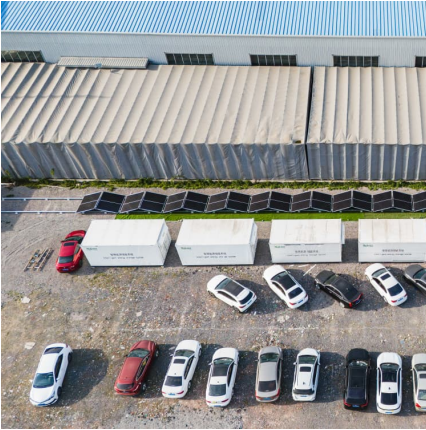
Together with the motorsport experts from HPP, the Mercedes-Benz Center of Competence for Battery Systems developed a prototype solid-state battery



with cells from Factorial that can be integrated into a car for road testing.



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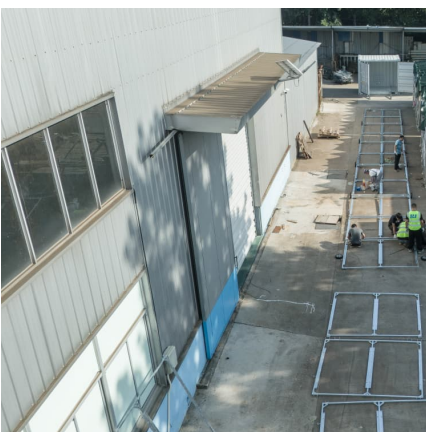


Mercedes begins testing solid-state battery that can ...

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Solid-state battery road tests begin , Mercedes-Benz ...

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.



Mercedes tests first solid-state battery EV with +621 ...

Mercedes-Benz is testing the world's first production EV with a solid-state battery, promising to deliver over 621 miles of driving range. Mercedes solid-state battery-powered EVs

[Mercedes-Benz starts road testing first solid-state ...](#)

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's solid-state EV battery: 620 miles on a charge?

And Mercedes-Benz is at the very pinnacle of that effort. The German giant is already testing its own solid-state batteries for its EVs with a range of over 620 miles (1,000 ...

Road tests start on solid-state EV battery developed by Mercedes ...

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 ...



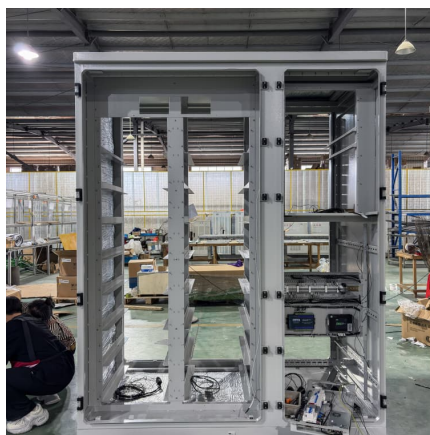
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Mercedes begins testing solid-state battery that can deliver 1,000 ...

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Mercedes tests first solid-state battery EV with +621 miles range

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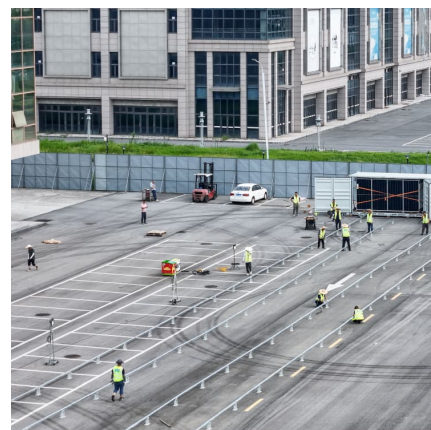
[Mercedes-Benz working on an all-new solid-state battery](#)

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 ...



Mercedes-Benz Begins Road Testing First Solid-State Battery ...

Mercedes-Benz has officially taken its solid-state battery prototype to real-world road testing, highlighting the significant progress the company has made in battery research ...





Solid-state battery road tests begin , Mercedes-Benz Group

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.

[Mercedes-Benz's solid-state EV battery: 620 miles on ...](#)

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