

# **Mercedes solid state battery technology**





## Overview

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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.

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.

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. Mercedes-AMG High.

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.

The German giant is already testing its own solid-state batteries for its EVs with a range of over 620 miles (1,000 km) on a single charge. The new battery technology, which promises increased driving range, quicker charging, and efficiency, is being developed by the carmaker in collaboration with.

Mercedes-Benz has taken a significant step forward in electric vehicle technology, testing an EQS prototype equipped with a solid-state battery that delivers over 621 miles of range. Mercedes-Benz has officially begun real-world testing of an EQS prototype powered by a lithium-metal solid-state.



Unlike current battery packs, solid-state batteries use solid materials for both the separator that keeps anode and cathode from touching and the medium through which electrons pass as the cell charges or discharges. Lithium-ion batteries use liquid electrolyte, which is an organic solvent that is.



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### Mercedes' Solid-State EV Batteries Set to Transform Electric ...

Mercedes-Benz has announced a groundbreaking development in electric vehicle technology with the introduction of solid-state batteries, expected to hit the market by ...

### Passenger car and Formula 1 engineers team up as solid-state ...

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 ...



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

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 ...

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

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### **Mercedes-Benz's solid-state EV battery: 620 miles on a charge?**

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

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### **Mercedes solid-state batteries coming by 2030 , GreenCars**

Mercedes-Benz will introduce revolutionary solid-state battery technology by 2030, promising superior safety, faster charging, and up to 40% more range.

[Mercedes-Benz Pioneers Solid-State Battery EV...](#)



Mercedes-Benz successfully integrates solid-state lithium-metal batteries into an EV platform, achieving 621 miles of range. In partnership with Factorial Energy, this breakthrough boosts energy density, safety, and ...



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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 Has a New Solid State Battery Prototype With Over ...**

Mercedes has collaborated with Factorial Energy since 2021 to advance solid-state battery technology. Factorial's proprietary FEST (Factorial Electrolyte System ...

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