

# **New solid state battery for cars**





## 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. On Monday, the company announced it has officially put "the.

Last September, Toyota announced plans for their improved lithium-ion batteries, as well as a "breakthrough" in solid-state battery technology. It's notable, because the company had been resisting its transition to electric vehicles (EVs), focusing instead on hybrids and vehicles powered by.

The Japanese automaker says it has found a new material that will help commercialize the elusive, long-awaited solid state battery, but it's light on details. The Lexus RZ (Credit: Toyota) Toyota says it has found a technological breakthrough that will allow it to bring solid state batteries to.

Solid-state batteries replace liquid electrolytes with solid ones, boosting EV range to over 500 miles, enabling sub-15-minute charging, and reducing fire risks. As of 2025, automakers like Toyota and Volkswagen are launching EVs using this tech, marking a major leap in performance and safety. The.

An EV prototype revealed in 2023 expected to be powered by solid-state batteries. Imagine an electric vehicle, powered by a new solid-state battery, that could travel nearly 750 miles on one charge, last 30 years and fully recharge in under 10 minutes. Could this be the Holy Grail of EV.



Honda's new facility could drive breakthroughs in solid-state batteries for electric cars, ultimately leading to batteries with more than double the range of existing EVs. When you purchase through links on our site, we may earn an affiliate commission. Here's how it works. Honda could spearhead.



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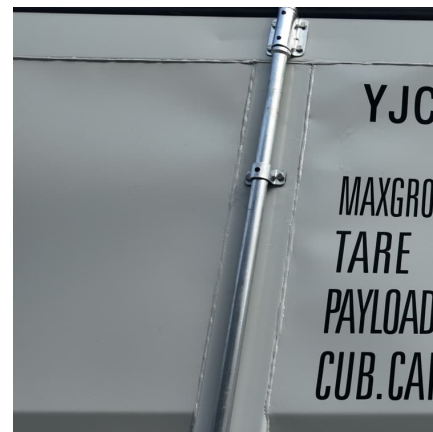


### [Mercedes-Benz's solid-state EV battery: 620 miles on ...](#)

The new battery technology, which promises increased driving range, quicker charging, and efficiency, is being developed by the carmaker in collaboration with US-based Factorial Energy.

### **Honda promises solid-state batteries that could double EV range ...**

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### **What Are Solid-State Batteries, and Why Do They Matter for EVs?**

Claims of higher energy density, much faster recharging, and better safety are why solid-state-battery technology appears to be the next big thing for EV batteries.

### **10 Automakers That Are Betting Big on Solid-State Batteries to**

Toyota is heavily investing in solid-state battery technology, with plans to integrate this breakthrough into its electric vehicles by the



mid-2020s. The automaker is ...

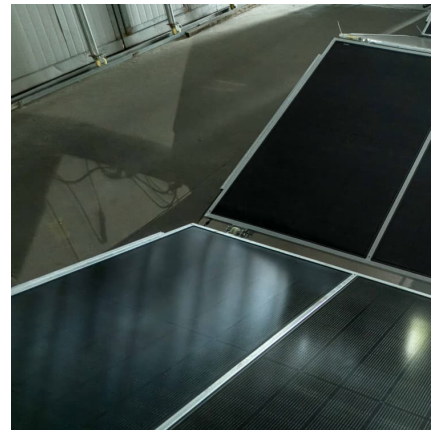


### [New Record-Breaking EV In Pipeline With 745 Miles ...](#)

Imagine an electric vehicle, powered by a new solid-state battery, that could travel nearly 750 miles on one charge, last 30 years and fully recharge in under 10 minutes.

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### **Toyota Touts Solid State EVs With 932-Mile Range, 10-Minute**

Toyota says its breakthrough batteries will hit the market in 2027 or 2028, giving its EVs 745 miles of range--significantly greater than any gas-powered car today--with 10 ...



### [Toyota's Breakthrough in Solid-State Batteries](#)

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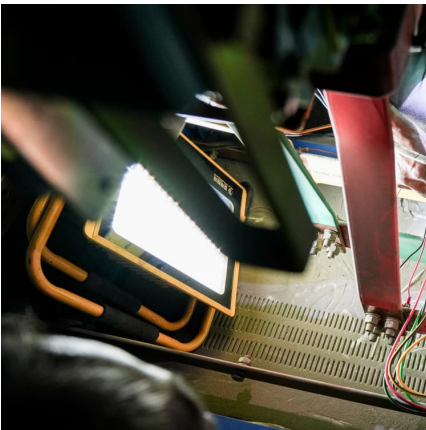
### [Toyota Solid-State Battery Cars: 2025 Rollout Plan](#)

In a monumental leap toward the future of electric mobility, Toyota is preparing to redefine the industry with the rollout of its solid-state battery electric vehicles (EVs) starting in 2025.



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**Solid-State Batteries: 2025's EV Tech Breakthrough Is Finally Here**

Solid-state batteries are changing the EV game in 2025 with 500+ mile ranges, 15-minute charging, and fireproof chemistry. From Toyota to QuantumScape, this tech finally ...



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