

Ev solid state battery news

Are solid-state batteries a solution to EV battery problems?

Just for a comparison, the Tesla Model Y has a 336-mile range and about 15-minute fast charging time. The long-awaited solid-state batteries have been touted by some industry experts as a potential solution to EV battery concerns such as charging time, driving range, and fire risk. Solid-state batteries are nothing new.

Which EV companies are launching solid-state batteries in 2026?

Stellantis announced plans to launch a fleet of electric Dodge Chargers powered by Factorials solid-state batteries in 2026. Hyundai, Honda, Toyota, Stellantis, and others aim to mass-produce solid-state batteries by the end of the decade. And don't forget that Chinese EV battery leaders BYD and CATL are also racing to launch solid-state batteries.

Could Honda lead the adoption of solid-state batteries in EVs?

Honda could spearhead the adoption of solid-state batteries in EVs over the next decade. (Image credit: JLStock via Shutterstock)

Will Toyota make solid-state EV batteries?

Last October, Toyota announced signing a deal with Japanese petroleum company Idemitsu Kosanto mass produce solid-state batteries. The collaboration will focus on sulfide solid electrolytes, a promising material for EV batteries. According to Toyota, the two companies have been working together on materials development since 2013.

Are solid-state batteries a game-changer for EVs?

Solid-state batteries have long been regarded as a potential game-changer for EVs. Toyota stated that the company made a breakthrough in its efforts to improve the durability of this technology. Toyota has moved its focus to bringing solid-state batteries into mass production and ready for commercial use by 2027 or 2028.

Do EVs have solid state batteries?

Scientists, researchers, and automakers have spent decades trying to crack the code on their commercialization, but so far no EVs have them, including Toyota's own offerings: the Toyota bZ4X and Lexus RZ. But Toyota says it has found a new material that gets around one of the core issues with solid state batteries: Their longevity.

It remains to be seen to what extent the new solid-state EV battery helps Volkswagen surge past Tesla in terms of US sales, but the company is already working as many levers as it can.

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.



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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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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.

A new study reveals how machine learning is speeding up solid-state battery development, critical for EVs to gain 50% more range.

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Since solid state batteries are still years away, Toyota revealed short-term plans for improved batteries. It will offer several options, including high-performance packs.

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