

Hyundai and Kia's solid-state EV batteries not expected before 2030

When will Kia EV batteries be ready?

During Kia's 2025 EV Day earlier this week (see our recap), Hyundai Motor's global producing planning chief Spencer Cho explained that the promising new battery tech is much more complex than most realize. Hyundai doesn't expect its solid-state batteries to be ready for Kia electric vehicles until 2030. And it could be even later.

When will EV batteries come out?

Hyundai Motor Group, including Kia, doesn't expect to launch solid-state EV batteries until 2030, at the earliest. The company said there's "a lot of uncertainty" around the promising new battery tech.

Will Hyundai & Kia improve battery technology?

In the meantime, Hyundai and Kia, which pool resources, plan to improve existing battery tech, including lower-cost lithium iron phosphate (LFP) and lithium nickel manganese cobalt (NMC). Rivals are racing ahead, but will they deliver?

When will Hyundai's all-solid-state battery pilot line come out?

Like most, BYD and CATL don't expect to mass produce the new batteries until 2030 at the earliest. Earlier this month, local reports claimed Hyundai will reveal its all-solid-state battery pilot line in March, so we may learn more soon.

Are EV muscle cars based on a solid-state battery?

The EV muscle cars will be based on Factorial's FEST (Factorial Electrolyte System Technology), which offers an energy density of over 390 Wh/kg. Japanese auto giants, Toyota, Honda, and Nissan are all developing solid-state batteries to power their next-gen electric models.

Which battery companies are doubling down on EV technology?

Global battery leaders, CATL and BYD, are also doubling down on the new technology. Earlier this month, Sun Huajun, the CTO of BYD's battery business (Shenzhen BYD Lithium Battery Co), said the company expects to launch its first all-solid-state battery-powered EV in 2027.

The "Dream" batteries promise to unlock more range, faster charging, and significantly higher energy density. Hyundai will reveal its all-solid-state EV battery pilot line

Specifically, Spencer Cho, Hyundai Motor Group's Global Product Planning Chief, warned that commercialization of the solid state batteries that the company plans to use ...

Hyundai Motor Group will apply all-solid-state batteries considered a next-generation innovative battery to its



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major electric vehicle models in 2030 at the latest. All-solid-state batteries have higher energy ...

TARRAGONA, Spain -- Hyundai Motor Group's solid-state batteries won't be ready for Kia electric vehicles until around 2030 at the ...

Kia predicts solid-state batteries won't be ready for its EVs until 2030 at the earliest, saying it sees more efficient results from incremental improvement in today's battery...

TARRAGONA, Spain -- Hyundai Motor Group's solid-state batteries won't be ready for Kia electric vehicles until around 2030 at the earliest, the carmaker's global product ...

The report does not clearly state whether the pilot production is located at the in-house supplier or at another HMG unit. By kicking off pilot production, Hyundai aims to equip ...

From this, the manufacturer is expected to trial such batteries within prototype EVs this year, before bringing a mass-produced solid state EV to market by 2030 - a time by which we are likely to see a wide number of solid ...

And why wouldn't they? The tech promises longer ranges, faster recharging, and the potential for more power output with far less overall degradation than today's battery ...

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At the Hyundai Motor Group's 2025 Kia EV Day, the Group's head of business planning, Spencer Cho, said that the company's potentially game-changing solid-state electric car batteries won't ...

Making them stable and manufacturing them efficiently has proven difficult. Hyundai's goal is to start mass production of all-solid-state batteries around 2030, with the first EVs featuring this technology hitting the ...

Hyundai plans to launch EVs with LFP batteries developed in-house in 2025. The news comes after Honda unveiled its all-solid-state battery demo production line just last ...

Hyundai Motor Group, which includes Kia, has announced that it does not anticipate launching solid-state EV batteries before 2030, at the earliest. The company has ...

Hyundai and Kia likely won't have solid-state batteries ready for electric vehicles before the end of the decade, an executive said in an interview with Automotive News ...

The Timeline for Hyundai's Solid-State EV Battery Deployment Hyundai Motor Group, which encompasses

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Kia among its brands, has indicated that the launch of solid-state ...

The shift to solid-state batteries and decentralised solar power is set to revolutionise transport, slashing reliance on fossil fuels and traditional infrastructure. Hyundai, BYD and others are accelerating mass production, ...

Hyundai doesn't expect its solid-state batteries to be ready for Kia electric vehicles until 2030. And it could be even later.

Hyundai, Kia, and Genesis are pooling efforts to develop solid-state batteries in-house, but they're not as optimistic on the timeline as Nissan, Honda, and Toyota.



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