

Hyundai and Kia's solid-state EV batteries not ready 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.

When will BYD launch a battery-powered EV?

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. Like most, BYD and CATL don't expect to mass produce the new batteries until 2030 at the earliest.

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 ...

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 ...

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

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 ...

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 ...

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

Hyundai Motor Group, which encompasses Kia among its brands, has indicated that the launch of solid-state EV batteries is not expected before 2030. This timeline reveals ...

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 ...

Some automakers are promising rapid rollouts, but Hyundai Motor Group believes that solid-state batteries won't be ready for mass-market EVs until at least 2030.

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