

Nio developing 120-kWh battery pack that can fit all Nio EVs

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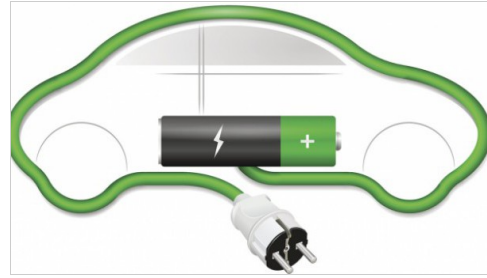
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Nio previously said that the battery pack under development would support 5C fast charging to add 255 km of driving range in five minutes

Nio is developing a 120-kWh battery pack that will be compatible with all of its main-brand models, founder, chairman and CEO William Li said.



Source: Getty Images/ilynx_v

Li, speaking at a face-to-face user event in Quanzhou, Fujian province, did not provide a launch timeline. Asked whether the ET9 flagship executive sedan would receive an exclusive larger battery, Li said: "We're currently using a ternary battery system, and within the same standard pack, there will be a 120-kWh battery, which of course all vehicles can use."

Nio first disclosed plans for a 120-kWh pack when it unveiled the ET9 at Nio Day 2023 in December 2023. At the time, the company said the pack would have a cell energy density of 292 Wh/kg and support 5C fast charging, adding 255 km of range in five minutes on Nio's high-power chargers.

When the ET9 was formally launched in December 2024, it instead came with a 100-kWh pack and a CLTC range of 650 km. All current Nio models come standard with a 100-kWh battery pack.

Nio offers 75-kWh and 100-kWh standard packs for its main brand through its battery-swap network. It previously rolled out a 150-kWh semisolid-state pack for main-brand vehicles but did not deploy it at scale because of its high cost.

Nio also put its first batch of fifth-generation battery-swap stations into operation in seven cities, with the Quanzhou site becoming its 4,000th swap station in mainland China. The new stations support wheelbases up to 3.5 meters, making models from Nio, Onvo and Firefly fully compatible for the first time.

Firefly President Daniel Jin said the small-car brand will get a larger battery before the Lunar New Year holiday in 2027, and possibly by the end of 2026.

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