

Nio solid state battery car





Overview

China's NIO is launching its new ET7 powered by a massive 150 kWh semi-solid state battery pack this month. Pre-orders open tomorrow, April 16, and NIO is holding an endurance challenge to see if the luxury EV can beat its own 650-mile (1044 km) range record.

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Chinese electric vehicle manufacturer Nio is at the forefront of a revolution in battery technology with the introduction of a 150 kWh semi-solid state battery pack developed in partnership with WeLion. This marks a significant milestone for the EV industry, placing Nio among the first automakers.

Equipped with a 150kWh ultralong-range battery pack, the ET7 is the only battery electric executive sedan that has achieved over 1,000 kilometers in a real-life range challenge. AI chassis system, seeing ahead for a smooth drive. NIO assisted and intelligent driving, leading the industry. A golden.

Hot on the heels of the new Nio ES6 (EL5 in Europe) being unveiled, it has been revealed that the electric SUV will be the brand's first model to be offered with a solid-state battery pack. The Chinese company has been working on a solid-state battery pack for quite some time and unveiled a.

Electric vehicles are pushing boundaries, and Nio 's entry into semi-solid-state batteries is generating quite a bit of publicity. YouTuber and EV enthusiast Ran recently embarked on a road trip spanning nearly 1,240 miles to put the new 150 kWh battery through its paces. Nio's 150 kWh battery pack.

Can NIO's new ET7 with a 150 kWh semi-solid state EV battery break its 650-mi range record?

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The 150 kWh battery pack with 95% solid electrolyte of the refreshed NIO ET7 was able to propel it to more than 600 miles on a charge in three separate test scenarios. Daniel Zlatev, Published 04/17/2024 [\[link\]](#) [\[link\]](#) . The world's largest EV battery maker CATL may be on to something as in the near.



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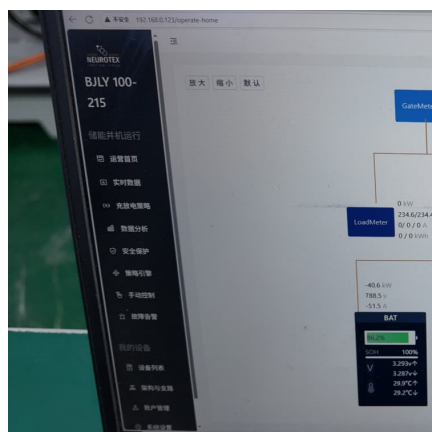


[Real-world range test of Nio's 150 kWh semi-solid ...](#)

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Document Shows Nio ES6 With 577-Mile Range, 150-kWh Solid-State Battery

Future Nio sedans might be able to deliver over 600 miles range with the new solid-state pack. Although the range figures might vary depending on the region and testing ...



Nio rolls out first mass-produced 150 kWh semi-solid ...

Chinese startup Nio rolled out the first mass-produced semi-solid battery pack, which will be available as a part of the battery swap service in a few months. This battery offers an energy density of 260 Wh/kg and provides a ...

First real solid-state battery EV range tests cover 650 ...

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three separate test scenarios.



Nio's Bold Solid-State Battery Technology Debut with ...

As EVs continue to proliferate the automobile landscape, Chinese automaker Nio has set the industry abuzz with its bold innovation: the integration of a 150 kWh solid-state battery pack into their cars, courtesy of ...



Nio's Bold Solid-State Battery Technology Debut with the ES6

As EVs continue to proliferate the automobile landscape, Chinese automaker Nio has set the industry abuzz with its bold innovation: the integration of a 150 kWh solid-state ...



Nio Becomes The First EV Maker To Bring Semi Solid-state ...

WeLion has delivered its first semi-solid-state battery cells to Nio. Chinese electric vehicle (EV) manufacturer Nio recently announced a significant development in battery ...

[Nio takes delivery of 150kWh battery pack](#)



components

Nio had promised to start deliveries of EVs with its 150kWh battery packs in the first half of this year after revising deadlines. And, shock horror, it's actually happening.

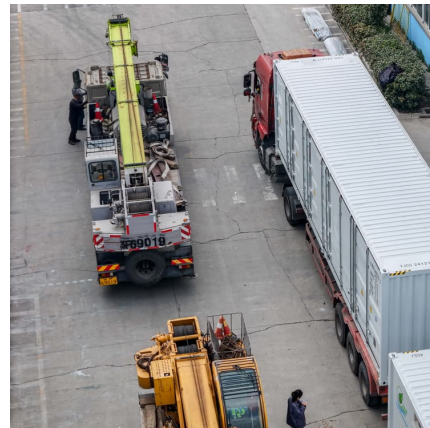


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NIO ET7: Our electric sedan with a range of up to 1000 km

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