

# Nio solid state battery





## Overview

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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.

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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.

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.

The 150kWh NIO ES6 is ground breaking for a number of reasons and perhaps 260Wh/kg at pack level is not the most significant. This post has been built based on the support and sponsorship from: About:Energy, AVANT Future Mobility, Quarto Technical Services, TAE Power Solutions and The Limiting.

The new solid-state battery can deliver 1,000 km (620 miles) of range on a single charge. A NIO power charging station. It took two and a half years but it's finally here. Chinese electric vehicle automaker NIO has implemented a 150 kWh solid-state battery pack in its cars. The solid-state pack is.

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.

Chinese EV company Nio put its new semi-solid state batteries to the test on a 14-hour, 650-mile journey with CEO William Li behind the wheel of the ET7



sedan. Li drove down the coast of China, from Shanghai to Xiamen, without stopping to charge along the way. This "endurance challenge" proves the.



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### [Nio Becomes The First EV Maker To Bring Semi Solid ...](#)

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 technology.

### [Chinese EV automaker NIO unveils 150 kWh battery pack](#)

Chinese electric vehicle automaker NIO has implemented a 150 kWh solid-state battery pack in its cars. The solid-state pack is supplied by WeLion and will debut on the ...



### **NIO files to expand the solid-state batteries to 11 more EVs**

Less than six months after filing with the Chinese government to add solid-state batteries to three of its EV models, NIO has just filed to include the potentially game-changing ...



### **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 ...



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

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.

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### Nio's Groundbreaking Solid-State Battery: Revolutionizing the EV

Nio's introduction of solid-state batteries is a significant milestone in the EV industry, signaling a shift towards more efficient, long-lasting, and environmentally friendly ...

[The Nio ES6 Is About To Get A 150 kWh ...](#)



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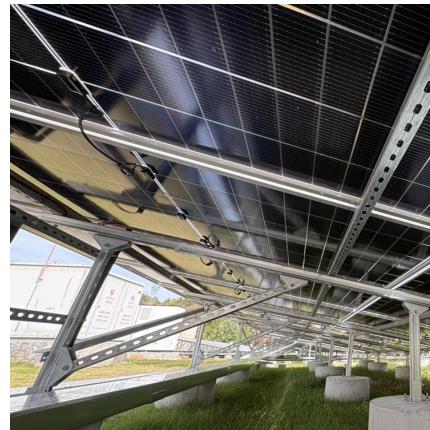
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### [Chinese EV automaker NIO unveils 150 kWh battery ...](#)

Chinese electric vehicle automaker NIO has implemented a 150 kWh solid-state battery pack in its cars. The solid-state pack is supplied by WeLion and will debut on the upcoming ES6 SUV.



### **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 ...





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### 150kWh NIO ES6

The WeLion SHE350-106Ah solid state battery cell is very close in specifications to that used in the 150kWh NIO ES6. The cell is made by Beijing WeLion New Energy Technology Co. Ltd and at ~360Wh/kg is at the leading ...

### [Semi Solid-State Battery Powers Chinese EV's 650 ...](#)

(Credit: Nio/Emily Dreibelbis) Chinese EV company Nio put its new semi-solid state batteries to the test on a 14-hour, 650-mile journey with CEO William Li behind the wheel of the ET7



### The Nio ES6 Is About To Get A 150 kWh Solid State Battery Pack

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### **Semi Solid-State Battery Powers Chinese EV's 650-Mile, 14-Hour ...**

(Credit: Nio/Emily Dreibelbis) Chinese EV company Nio put its new semi-solid state batteries to the test on a 14-hour, 650-mile journey with CEO William Li behind the wheel ...



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