



Welion semi solid state battery

Beijing WeLion New Energy Technology's semi-solid state battery is being used in Nio's ES6 SUV unveiled in May. WeLion is building four more.

Nio has established a new battery tech firm in Shanghai to accelerate solid-state battery R&D, expecting scaled application after 2027.

WeLion held a ceremony for the occasion, attended by Nio senior vice president Zeng Shuxiang. Nio's semi-solid-state battery supplier, Beijing.

Commercialized semi-solid-state batteries with 360 Wh/kg energy density (WeLion/NAIO collaboration). CATL's condensed battery achieves 500 Wh/kg with hybrid electrolyte technology.

WeLion, whose semi-solid-state batteries are already used by Nio, has now achieved a major milestone in its research. According to CEO Yu.

BASF delivers cathode materials to WeLion, accelerating semi-solid-state battery production and advancing next-generation EV technologies.

BASF's China JV ships ultra-high-nickel cathode material to WeLion, signaling real progress toward semi-solid-state batteries for EVs, storage, and.

This chapter covers WeLion's solid-state / semi-solid Li-ion battery product development efforts and corresponding patent portfolio: Semi-quantitative classification of patents ...

Beijing WeLion New Energy Technology Co., Ltd., known simply as WeLion New Energy or WeLion (Mandarin: 蔚来; pinyin: Wèilǐon), is a Chinese battery manufacturer specializing in semi-solid and solid state batteries for use in electric vehicles and energy storage systems. The company is headquartered in the Beijing's Fangshan District, and is a spinoff from the Laboratory of Renewable Energy of the Institute of Physics of the Chinese Academy of Sciences.

Nio kicked off series production of its 150 kWh battery packs with semi-solid-state cells from partner WeLion. The first EVs with the new battery.

Abstract This report compares the measured performance of the Donut Lab Solid-State Battery V1 against current lithium-ion technologies and competing solid-state efforts. All Donut Lab figures are

In January, the company signed a five-year strategic cooperation agreement with battery manufacturer CATL.



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Meanwhile, one of Nio's key battery partners, Beijing WeLion New Energy

WELION's semi-solid-state batteries are designed for various applications, including electric vehicles, energy storage, and small power

In December 2023, he founded and company director William Li sat down to manage model Nio ET7, equipped with a semi-solid-state battery with a capacity of 150 kWh, and drove from

BASF and Chinese battery maker Welion say they've reached a key step in bringing semi-solid-state batteries to market. BASF Shanshan Battery

All-solid-state battery production lines have low compatibility with liquid battery lines, requiring large-scale retrofits or new construction. A decent production line typically takes two to

WeLion installed 0.41 GWh of power batteries in November, which could be used to build about 2,733 units of 150-kWh battery packs. Beijing

In collaboration with Beijing WELION New Energy Technology Co., Ltd., BASF has successfully delivered its first batches of mass-produced Cathode Active Materials (CAM) for Semi

WeLion's experience with semi-solid-state cells, integrating both solid and liquid electrolyte traits, positions it as a leader driving the stability and scalability of this innovative battery technology.

Days after Chinese automaker NIO showcased the massive range potential of its incoming 150 kWh solid-state batteries, their manufacturer,

CN Place of Origin: Shaanxi, China Brand Name: Welion Battery Type: Semi-solid state Weight: 250#177;10.0g Size: 8.5#177;0.3 * 74#177;1 * 172#177;2mm The discharge rate: 3C (60A for continuous discharge)/

[Link] (<https://lnkd /eyecKsuF>) **BASF delivers first batch of CAM for semi-solid-state batteries to WELION New Energy** Gasgoo - September 4, 2025 BASF delivered its first mass-produced ...

The Global Solid-State Batteries Market 2026-2036 is the definitive market intelligence report on one of the most transformative energy storage technologies of the decade. Solid-state

Semi-solid-state batteries as a bridge technology: technology comparison tables, commercial vehicle deployments (NIO, MG4, Mercedes-Benz EQS, Karma Kaveya), and materials

Semi-solid Battery for Automobiles Market Overview The Semi-solid Battery for Automobiles Market size was valued at USD xxxx million in 2026 and is expected to reach USD xxxx



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WeLion's founder said the company is working with Nio to launch a hybrid solid-liquid electrolyte battery based on the ET7 with a range of 1,000

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