

Naxtra sodium ion battery





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CATL, Changan launch mass-produced sodium-ion EV for 2026

Changan Automobile and CATL have unveiled what they say is the first mass-production passenger vehicle fitted with sodium-ion batteries, with sales expected by mid-2026.

CATL Introduces First Mass-Produced Sodium-Ion Battery

Designed for all-weather performance, the Naxtra Battery retains 90% usable power at -40°C and withstands heat up to 70°C. With a range of 500 kilometers and over 10,000 charging



1075KWHH ESS



Natrium-Ionen-Batterien: technischer Aufbau und Funktionsweise

Technologischer Durchbruch der Natrium-Ionen-Batterien mit beeindruckender Schnellladefähigkeit zur Serienreife. Natrium-Ionen-Batterien: technischer Aufbau und

A Cheaper, Cold-Proof EV Battery Is Coming to Cars This Year--and

Electric vehicles may soon have a new power source: sodium-ion batteries. Chinese automaker Changan Automotive plans to launch what it says will be the first mass-produced



Efficient Higher Revenue

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 100% Peak Output Power
- 2 MPPT Trackers, 100% DC Input Utilization
- Max. PV Input Current 15A, Compatible with High-Power Modules

Intelligent Simple O&M

- IP65 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

Flexible Abundant Configuration

- Plug & Play, EPC Switching Under 10min
- Compatible with Lead-acid and Lithium Batteries
- Max. 6 Units Inverters Parallel
- AFC Function (Optional): when an arc fault is detected the inverter immediately stops operation

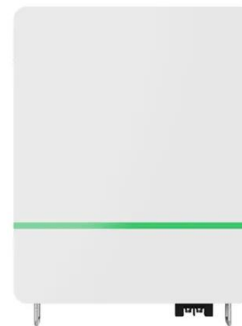


DieselNet Update

The Naxtra battery is claimed not to catch fire or explode when subjected to extreme abuse conditions, exceeding the requirements of China's national standards. Changan Automobile said that its Avatr,

Batteries Sodium-ion : la révolution Naxtra de CATL.

La batterie sodium-ion Naxtra atteint une densité énergétique de 175 Wh/kg, proche des batteries LFP actuelles (185 Wh/kg). Avec une capacité de 45 kWh, la Nevo A06 devrait offrir plus



Sodium Ion Battery Breakthrough 2026

Sodium ion battery breakthrough from CATL could replace lithium in electric cars. The Naxtra battery uses no lithium, no cobalt, works at -40°C, delivers 175 Wh/kg, 10,000 charge cycles, and powers



Changan setzt auf innovative Naxtra-Batterien von CATL für seine

Changan-Fahrzeuge während der „Changan SDA Intelligence Update & Global Launch of Sodium-Ion Battery Strategy“ in Yakeshi: In Zukunft wird der Hersteller seine Modelle auch mit



Changan to use innovative CATL Naxtra batteries in its passenger

With up to 175 Wh/kg, the energy density of the CATL Naxtra Battery is among the highest of any mass-produced sodium-ion batteries. Vehicles equipped with sodium-ion power batteries are

CATL sodium-ion battery aims to improve EV winter range loss

CATL's Naxtra sodium-ion battery, on display at a 2025 Beijing expo, is designed to charge in temperatures as low as -50 degrees C, or -58 degrees F. CATL claims that at -30 degrees C,



First EV with a sodium-ion battery. Winter proof?

250 Miles in Sub-Zero Extremes The Changan Nevo A06 is a compact sedan powered by CATL's "Naxtra" sodium-ion pack, boasting a 45 kWh capacity. This battery is engineered to deliver



Sodium-ion batteries challenge EV winter limits

CATL announced its Naxtra sodium-ion technology, claiming stable performance at extreme subzero temperatures and rapid charging even in severe cold. The company says the battery delivers nearly



Revolutionary Sodium-Ion Battery Powers World's First Mass

Discover the Changan Nevo A06, the world's first sodium-ion battery-powered electric vehicle, featuring advancements in range, cost-effectiveness, and cold-weather performance.

Changan announces first solid-state batteries in cars before Q3

As reported in February, Changan, in close collaboration with CATL, has also equipped the first test models of the Changan Nevo A06 with sodium-ion batteries. The packs from CATL's



Changan to Trial Solid-State Golden Bell Batteries in 2026

In parallel, Changan continues to collaborate with Contemporary Amperex Technology Co., Limited (CATL) on sodium-ion battery technology. Earlier this year, the two companies held a



#energytransition
#sodiumionbatteries #sibs #naxtra
#ev #cleantech #

Why Sodium-Ion Batteries (SIBs) Matter Now : ?
SIBs Are Strategic Sodium-ion chemistry leverages abundant, low-cost raw materials, offering a pathway to safer, more sustainable energy storage



European Sodium-Ion Battery Manufacturers: Complete Overview

European Sodium-ion Battery Manufacturers: Complete Overview Sodium-ion battery manufacturers in Europe are gaining significant attention as this technology emerges as a promising

Changan to Begin Solid-State Battery Vehicle Tests Ahead of 2027

Changan is pursuing multiple battery strategies simultaneously. In collaboration with battery giant CATL, the company has also begun testing sodium-ion batteries in prototype versions



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