

What is CATL 'condensed battery' technology?

CATL is showing novel 'Condensed Battery' technology in Shanghai, which claims an energy density of 500 Wh/kg at the cell level. The Chinese battery giant considers it suitable for electric aircraft but also envisions use in road vehicles, with series production to start this year.

Will CATL launch a condensed battery?

More interestingly, the Chinese manufacturer will launch an automotive-grade version of the condensed battery, with mass production planned by the end of the year. CATL mentioned the condensed batteries last June, days after the company unveiled the Qilin battery with an energy density of 255 Wh/kg.

When did CATL unveil its condensed battery technology?

On April 19, CATL unveiled its condensed battery technology at Auto Shanghai. Chinese battery giant CATL on Wednesday unveiled a new ultra-high energy battery technology initially slated for aviation, and with an automotive cell under development.

What is a CATL battery?

CATL uses highly conductive biomimetic condensed-state electrolyte to get to this level, which explains the battery name. The condensed battery features ultra-high energy density cathode materials and new anode materials, separators, and manufacturing processes.

Is CATL ready to set a new energy benchmark?

One key metric in the aviation world is specific energy - the amount of energy stored per kilogram of battery, and CATL says it's ready to set a new benchmark. The lithium-based condensed battery was launched Wednesday at the Auto Shanghai expo, with CATL claiming blockbuster energy density figures "up to 500 Wh/kg."

Is CATL launching a sodium-ion battery in 2021?

In 2021, CATL rolled out its first generation sodium-ion battery with an energy density of 160 Wh/kg and promised an increase to 200 Wh/kg for the next generation. Earlier this week, it confirmed that Chinese Chery will become the first automaker to use its sodium-ion battery tech.

SHANGHAI, April 19, 2023 /PRNewswire/ -- On April 19, CATL launched condensed battery, a cutting-edge battery technology at Auto Shanghai. With an energy density of up to 500 Wh/kg, it can achieve ...

China's CATL announced a new battery type at Auto Shanghai 2023. The so-called condensed battery is a semi-solid state battery that promises to offer a 500-Wh/kg energy density while being safer ...

CATL today at Auto Shanghai introduced a condensed battery with an energy density of up to 500 Wh/kg. The battery can achieve high energy density and high level of safety at the same time, opening ...

Chinese battery giant Contemporary Amperex Technology Ltd (CATL), on 19 April unveiled a condensed matter battery that it said could supply enough energy to power electric ...

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The world's largest battery maker continues to showcase why it's the name to beat in its given segment. During the Shanghai Auto Show, CATL launched a new condensed battery that delivers the ...

On July 4, CATL unveiled CATL TIANXING, its first EV battery brand for commercial applications, along with two products for light commercial vehicles, namely CATL TIANXING-L superfast charging edition and CATL TIANXING-L ...

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500 Wh/kg, enables electrification of passenger aircrafts (SHANGHAI, April 19, 2023 PRNewswire=????)
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CATL launches condensed battery with an energy density of up to 500 Wh/kg, enables electrification of passenger aircrafts
Next : CATL's First Sodium-ion Battery to Power Chery EV Models Solution Passenger Vehicles ...

To address the changes of the super high energy density materials resulting from electrochemical reactions, CATL's condensed battery leverages highly conductive biomimetic condensed state electrolytes to construct a ...

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Chinese battery maker CATL launched a condensed battery which it said opened a brand-new electrification scenario of passenger aircraft. Launched at Auto Shanghai, claimed energy density is up to 500Wh/kg. Few ...

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CATL launched condensed battery, a cutting-edge battery technology at Auto Shanghai. With an energy density of up to 500Wh/kg, it can achieve high energy density and ...

It's a limited edition of 1,000 Zeekr 001 EVs that supposedly can travel 1,032 km with a 140kWh battery pack. But that range isn't realistic either. Despite rampant dishonesty in giving real-life EV ranges, it's clear that with ...

To address the changes of the super high energy density materials resulting from electrochemical reactions, CATL's condensed battery leverages highly conductive biomimetic condensed state...

Chinese battery industry heavyweight CATL has unveiled a novel condensed matter battery technology with an energy density of up to 500 Wh/kg. The company said it can achieve mass production...

CATL recently held a launch event for its new condensed battery, which has an energy density of up to 500 Wh/kg. Innovative technologies like ultra-high energy density cathode materials give this battery incredible ...

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