

Chinese battery manufacturer CATL has recently unveiled a groundbreaking innovation in battery technology known as the condensed battery.

Officially referred to as "Condensed Matter" battery, the new cells exhibit high safety and precisely that high energy density, as CATL's chief scientist Wu Kai stated at the trade show. In the ...

CATL, known as "The King" (Ning Wang), made a formidable presence, showcasing its condensed battery technology -- a biomimetic, highly conductive electrolyte-based battery boasting ...

On April 19th, CATL released an innovative and cutting-edge battery technology at the Shanghai International Automobile Industry Exhibition - Condensed Matter Battery, with a single ...

Compared with all solid state batteries, CATL's condensed matter batteries can achieve mass production faster, and achieve both high specific energy and high safety.

CATL is partnering with several companies to use the new ...

CATL is partnering with several companies to use the new condensed matter batteries to develop electric passenger aircraft. Until now, commercial lithium-ion batteries didn't provide enough ...

CATL Condensed Battery technology represents a major evolution in lithium-based energy storage. It utilizes a unique condensed state electrolyte, which exists in a gel-like ...

This article delves into the details behind CATL's condensed battery, explores the science that makes it possible, and evaluates the broader implications for mobility and sustainability.

On April 19, CATL launched condensed battery, an innovative cutting-edge battery technology in Auto Shanghai. With an energy density of up to 500 Wh/kg, it can achieve high energy density and high ...

CATL first introduced its condensed battery technology in April 2023, claiming it would achieve energy densities up to 500 Wh/kg--nearly twice the density of Tesla's 4680 cells (~250 Wh/kg).

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