

Will a CATL electric plane use a condensed battery?

Zeng confirmed the electric plane will use CATL's Condensed Battery. CATL's high-density batteries are powerful enough for long-range flight, "making them feasible for private and business jets," Zeng said. CATL's chairman also revealed the company is working on next-gen sodium-ion batteries with lower costs, life, and cold performance.

How far can a CATL electric plane go?

CATL successfully tested a 4-ton electric plane powered by its ultra-high energy density battery. By 2028, CATL expects to reveal an 8-ton civil electric aircraft with around 1,200 to 1,800 miles (2,000 to 3,000 km) range. After revealing its new Condensed Battery at the Auto Show in Shanghai last April, we knew CATL was up to something big.

How far can a battery-powered plane fly?

Chinese battery giant CATL says it's successfully flown a four-ton plane using its ultra-high density "condensed batteries." It now expects to have an 8-ton electric aircraft with a range of 2,000 to 3,000 km (1,240-1,865 miles) operating in 3-4 years.

When will CATL launch a 4 ton electric aircraft?

The company successfully completed a 4-ton electric aircraft test flight as work on longer-range models is advancing. CATL announced Tuesday that it expects to introduce an 8-ton commercial electric aircraft in 2027 or 2028 with a standardized range of around 1,200 to 1,800 miles (2,000 to 3,000 km).

Is CATL opening up a new electric plane?

With up to 500 Wh/kg energy density in a single cell, twice that of the average EV, CATL said it's "opening up a brand-new electrification scenario of passenger aircraft." CATL has been working with partners like Commercial Aircraft Corporation of China (COMAC) to develop the electric plane.

Which car manufacturers use CATL batteries?

Nearly every major car manufacturer, from Ford to Tesla, is using CATL batteries. In April of 2023, CATL announced its "condensed battery" packing over twice the energy density of nearly anything else on the market at an incredible 500 Wh/kg.

By the end of this year, an eVTOL powered by CATL batteries is expected to make its maiden flight, the battery maker's chairman said. (An eVTOL on display at the Guangzhou headquarters of Xpeng Aeroht, Xpeng's flying ...

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CATL, the world's biggest electric vehicle (EV) battery manufacturer, has achieved a groundbreaking milestone by successfully testing a battery that powers a four-ton electric ...

The most energy-dense battery available is the CATL Qilin battery, it can achieve a specific gravimetric energy of up to 255 Wh/kg. Let's assume that we will install this battery pack in the airplane and its weight is equal to the ...

According to the Chinese media, this is the first time that CATL has stated the range of its planned electric aircraft. CATL is cooperating with the state-owned aircraft manufacturer Commercial Aircraft Corporation of China ...

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Chinese battery manufacturer Contemporary Amperex Technology Co Ltd (CATL) has provided a new update on its electric manned aircraft partnership project. The company's latest innovation could...

CATL 's significant progress in their civil, electric manned aircraft cooperation project marks the first public disclosure of the range capabilities of CATL's electric aircraft, highlighting a substantial advancement in aviation ...

Zeng added that the company predicted an eight-ton electric aircraft powered by its high energy-dense battery will probably be launched as early as 2027, with an expected flight ...

During the Shanghai Auto Show, CATL launched a new condensed battery that delivers the proper safety and energy density to enable the flight of electric passenger planes.

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 high energy density and high level of safety at the same time in a ...

Chinese battery giant CATL has recently test-flown a 4-ton electric passenger aircraft equipped with its advanced "Condensed" battery, and is said to even target a larger 8-ton civil electric aircraft with a flying range of about ...

China's CATL, the world largest manufacturer of lithium batteries for electric vehicles, says its power-dense condensed battery technology has flown in an aircraft with a takeoff weight of 4 ...

In huge news for zero-emissions aviation, Chinese company CATL is set to go to mass production on a "condensed battery" it says can squeeze in more than twice as much energy as a Tesla Model Y ...

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This figure is 1.6-2.5 times higher than current lithium battery limits, and such a significant increase in energy density could pave the way for the development of electric aircraft. CATL's pursuit of solid-state battery ...

The high energy density and safety performance of the battery make it an ideal candidate for use in electric passenger aircraft. CATL is actively collaborating with partners on the development of electric passenger aircraft, ...

China's CATL, the world largest manufacturer of lithium batteries for electric vehicles, says its power-dense condensed battery technology has flown in an aircraft with a takeoff weight of...

According to media reports, CATL, one of the world's largest EV battery makers, has successfully tested a 4-tonne electric plane powered by high-density batteries. The company is now working towards a larger 8-tonne civil ...

CATL has been collaborating with partners like the Commercial Aircraft Corporation of China to develop greener aircraft components, including batteries, engines, and propellers. Its new Condensed Battery boasts an ...

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