

Where are CATL batteries made?

In 2019, the battery giant broke ground in central Germany to build a \$2 billion CATL battery gigafactory for BMW and Volkswagen. The factory covers 57 acres and has the capacity to build batteries for hundreds of thousands of cars annually. CATL began building this assembly facility when it was still a young, 8-year-old company.

Does CATL manufacture lithium ion batteries?

CATL has more than half of the metal-refining capacity needed for battery manufacturing, including 93% of the manganese and 100% of graphite needed for lithium-ion batteries. CATL has invested in maintaining its position as a global leader in battery manufacturing.

What kind of batteries does CATL offer?

CATL specializes in lithium-ion battery technology, with a strong emphasis on lithium iron phosphate (LFP) batteries, which are known for their safety, longevity, and cost-effectiveness.

How many battery manufacturing plants does CATL have?

CATL operates 13 battery manufacturing plants worldwide, with facilities in China, Japan, France, Germany, and Hungary. The company's global presence and strategic partnerships enable it to serve a wide range of markets and industries, solidifying its position as a key player in the global energy transition.

What is CATL's new battery technology?

CATL is also advancing sodium-ion battery technology, with its second-generation sodium-ion battery expected to enter the market in 2025. This new battery offers higher energy density, superior low-temperature performance, and enhanced safety, making it suitable for a wide range of applications, including EVs and large-scale energy storage systems.

Why is CATL a global leader in battery manufacturing?

CATL has invested in maintaining its position as a global leader in battery manufacturing. Along with building new batteries, the company's recycling unit can recycle 90% of lithium and 99% of cobalt, nickel, and manganese. CATL is also invested in innovation, as it holds more than 4,400 patents.

According to SME Research, CATL is the world's largest EV battery manufacturer, with 37.7% of the market share. Plus, it is the only battery supplier with a market share of over 30%. [21] CATL has 6 R&D facilities, five in China ...

Whole-life Cost Management Thanks to features such as the high reliability, long service life and high energy efficiency of CATL's battery systems, "renewable energy + energy ...

The Citi analysts said that CATL expects total battery shipments to the U.S. market, including both direct and

indirect sales, to cover a single-digit percentage of total battery sales, ...

This article will discuss the top 10 lithium-ion battery manufacturers that play a major role in advancing lithium-ion products; CATL, LG, Panasonic, SAMSUNG, BYD, TYCORUN ENERGY, Tesla, Toshiba, EVE ...

Contemporary Amperex Technology Co., Limited (CATL) is a global leader in the development and production of advanced lithium-ion batteries and energy storage solutions. Founded in ...

Sinopec boasts a nationwide network of energy stations and strong energy service capabilities, while CATL is a leader in battery technology and the development of battery swap ...

Now, the EV battery manufacturer works with Daimler AG, Hyundai, Honda, Tesla, Toyota, Volkswagen, and more. This battery manufacturer isn't just making batteries, but it's ...

On April 9, CATL's German plant received certifications from Volkswagen Group (Volkswagen) for both module testing and cell testing, becoming the world's first battery manufacturer to receive Volkswagen's ...

In 2023, BYD surpassed LG Energy Solution to claim second place. This was driven by demand from its own models and growth in third-party deals, including providing batteries for the made-in-Germany Tesla Model Y, ...

Chinese battery manufacturer and technology company founded in 2011 that specializes in the manufacturing of lithium-ion batteries for electric vehicles and energy storage systems. Company URL: [catl](https://www.catl.com)

In June, Xpeng loaded more than 4,000 vehicles with CALB battery packs, or 70 percent of its production for the month. CALB, a smaller rival of power battery giant CATL, loaded a record number of batteries in electric ...

Powered by cutting-edge technologies and extreme manufacturing capabilities, CATL has resolved the challenges caused by highly active lithium metals in zero-degradation batteries, which effectively helps prevent thermal ...

Robin Zeng, the CEO of China-based CATL battery manufacturing company, speaks near the words reads "swap battery" at a launch event for the next generation of swap stations in Xiamen, Fujian province, China, ...

On March 17, 2025, CATL and NIO signed a strategic partnership in Ningde, Fujian. Together, the two parties will jointly build the world's largest battery swapping network and promote the standardization of industry ...

Four years later, CATL founded Contemporary Amperex Technology Thuringia GmbH (CATT) in Erfurt, Thuringia, marking its first global expansion in EV battery manufacturing. CATL is bringing its

state-of-the-art ...

China-based CATL was the leading EV battery maker as of June 2024, with a market share of almost 38 percent. The Chinese company BYD ranked second with a market share of 15.8 percent, followed by ...

So far, three of CATL's factories have been honored with the ROI-EFESO INDUSTRIE 4.0 AWARD, which is akin to the "Nobel Prize" in intelligent manufacturing, ...

In one of the most significant battery breakthroughs in recent years, the world's largest battery manufacturer CATL has announced a new "condensed" battery with 500 Wh/kg which it says will go into mass production ...

The cloud management of batteries was initially the realm of startups and is now in the mainstream cell manufacturers complete ownership system. CATL. CATL are the largest battery manufacturer and hence perhaps ...

China's Contemporary Amperex Technology Co., Limited (CATL), a global leader in lithium-ion battery development and manufacturing, is significantly escalating its investment in...

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