

Is the patented blade battery impossible to produce

Did Apple and BYD develop a blade battery?

Photo: Reuters Spokespeople for Apple and BYD declined to comment on the joint battery work. But BYD said in an emailed statement that "the concept for the Blade battery originated with BYD engineers, who independently developed this LFP Blade battery. BYD holds complete property rights and patent rights for the Blade battery".

Why do we need blade batteries?

Blade batteries cannot achieve higher energy density in battery materials, but they have made breakthroughs in battery system integration. This solves the shortcomings of short battery life of lithium iron phosphate batteries. This is the background for the birth of blade batteries. Part 3. BYD blade battery specifications Part 4.

Who invented the BYD blade battery?

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Should you buy a BYD blade battery?

There are two main opinions here: One is that the blade battery has no new ideas, is similar to the CTP of the CATL, and is just a marketing gimmick by BYD. The other is that blade batteries solve many of the shortcomings of lithium iron phosphate and are groundbreaking. Next, we will talk about the BYD blade battery. Part 1.

What are the advantages and disadvantages of blade batteries?

Another advantage of blade batteries is that they have good heat dissipation performance. We all know that batteries are particularly sensitive to temperature, which is also the main reason that limits battery fast charging time. Therefore, heat dissipation is a very important indicator for battery cells.

Does Apple own a BYD battery?

The technology was designed to be longer-range and safer than typical electric-vehicle batteries at the time. Though Apple does not own any of the technology used in BYD's current Blade batteries, the partnership shows just how far the iPhone maker went in its efforts to produce a car.

Since the release of BYD blade batteries in 2020, after direct on-site acupuncture experiments, consumers have gradually formed a perception: there are two types ...

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BYD's next-gen Blade battery for safer, more powerful EVs to launch in 2025. Its design resembles that of a blade, making it thinner and longer than conventional batteries.

The two companies sought to combine the separate pack and cell efforts to produce a safe, long-range battery system for the Apple vehicle. The Blade is now a signature feature in BYD cars --...

Different packing (cell-to-pack CTP/blade batteries) have more to do with back end cell packing. Technological innovation to increase efficiency and lower costs. Integrating ...

BYD's Blade Battery, set to mitigate concerns about battery safety in EV, is a significant innovation in the electric vehicle (EV) industry. In a striking demonstration, BYD showcased the Blade Battery enduring the ...

I want to divide it into three articles, from the blade battery, the blade battery group and the PACK program, and whether this set of BYD's program can carry on the past and make some ...

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However, in the year 2021, the world became acquainted with the term "Blade Battery," which even caught the attention of Elon Musk, who considered incorporating this type of battery into ...

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In 2020, LiFePO₄ (LFP) battery manufacturer, BYD introduced a high volumetric energy density Blade Battery Pack based on the CTP concept utilising the LFP ...

The Blade Battery design aims to optimize energy density and thermal management, addressing critical concerns in battery performance and safety. Professionals in ...

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Because the blade battery has a larger heat dissipation surface and a thin thickness, the blade battery core has better heat dissipation performance. From the data ...

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The blade battery was officially launched by BYD in 2020. BYD claims that compared with ternary lithium batteries and traditional lithium iron phosphate batteries, the blade battery holds ...

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