

Which companies are involved in the development of blade batteries

Did Apple and BYD develop a blade battery?

Spokespeople for Apple and BYD declined to comment on the joint battery work. But BYD said in an e-mailed 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".

What is BYD's next-generation blade battery?

In the rapidly evolving world of electric vehicles (EVs), where cost and efficiency are king, BYD has announced a game-changing development. The Chinese giant, known for its substantial strides in the EV market, is now targeting a 15% reduction in battery costs with its next-generation Blade Battery 2.0.

What is a blade battery?

The blade battery is most commonly a 96 centimetres (37.8 in) long and 9 centimetres (3.5 in) wide single-cell battery with a special design, which can be placed in an array and inserted into a battery pack like a blade. It is made in various lengths and thicknesses.

Does BYD have a second generation blade battery?

BYD's e-platform 3.0 with first generation LFP blade battery in Shenzhen. Credit: CarNewsChina BYD targets a 15% cost reduction for its second-generation blade battery, which will launch in the first half of 2025, a source familiar with the matter told CarNewsChina.

Could a blade battery reduce the price of electric vehicles?

The Blade Battery 2.0, with its cost reduction strategy, could significantly lower the price of electric vehicles. A 15% decrease in battery cost could translate into a reduction in the vehicle's overall price or could be used to increase the margin for manufacturers, making EVs more competitive against their gasoline counterparts.

What is a BYD blade battery?

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 advantages in safety, range, longevity, strength and power.

BYD unveiled its first generation blade battery in March 2020, and the lithium iron phosphate chemistry-based battery, which focuses on safety, are now used across the NEV maker's entire model lineup. BYD, the world's ...

BYD, however, stated that the Blade battery concept and development were solely the work of BYD engineers, with the company holding all property and patent rights. Sign up for our daily news round-up!

Which companies are involved in the development of blade batteries

Today, BYD's entire car lineup is powered by the Blade system, which uses a battery pack design that people involved in its development say was informed by lessons from the Apple work.

APPLE worked with Chinese automaker BYD for years as part of its now-cancelled car project, developing long-range batteries that helped lay the groundwork for technology used today, according to sources familiar with ...

Battery engineer Mujeeb Ijaz, who worked at Apple from 2014 to 2020, was also involved in the project alongside 50 battery engineers. The Blade battery system proved to be a success for BYD ...

BYD targets a 15% cost reduction for its second-generation blade battery, which will launch in the first half of 2025, a source familiar with the matter told CarNewsChina. BYD's blade battery 2.0 will have an energy ...

It focused on creating a battery using lithium iron phosphate cells, aiming for greater range and safety compared to existing EV batteries, people familiar with the development told the publication.

The CarNewsChina report says BYD expects the long blade version of the next-gen Blade battery to cost 15% lower than the current Blade battery. As for the short blade ...

Apple and BYD worked together around 2017 to develop a battery system using LFP cells, a technology designed to last longer and be safer than typical EV batteries at the time, according to Bloomberg. (A BYD car ...

Frankfurt, July 11, 2024 SVOLT Energy Technology Co., Ltd., a leading provider of innovative battery solutions, has introduced three new prismatic "Short Blade" batteries that revolutionize fast charging for electric ...

Today, BYD's entire car lineup is powered by the Blade system, which uses a battery pack design that people involved in its development say was informed by lessons from the Apple work. ... vice president of the ...

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