

New Energy Patented Blade Battery Technology

What is the new blade battery?

The new Blade battery promises an enhanced driving range and a longer lifecycle. These improvements aim to support both electric vehicle applications and energy storage systems, further solidifying BYD's role as a global leader in battery technology.

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.

Why is BYD launching a blade battery?

At an online launch event themed "The Blade Battery - Unsheathed to Safeguard the World", Wang Chuanfu, BYD Chairman and President, said that the Blade Battery reflects BYD's determination to resolve issues in battery safety while also redefining safety standards for the entire industry.

Will China's next-generation blade battery make EVs more affordable?

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. This move could potentially accelerate the global shift from fossil fuel to electric power, making EVs more accessible and economically viable for millions.

Will BYD introduce the new blade battery in 2025?

"I think in the coming years, 2025, BYD will introduce the new generation of our remarkable Blade battery," Cao stated in an interview with CGTN, highlighting the company's ambitions for its new battery technology. The new Blade battery promises an enhanced driving range and a longer lifecycle.

What is a BYD blade battery?

The Blade Battery 2.0 from BYD is not just an incremental update but a leap in battery technology. With an energy density of up to 210 Wh/kg, it far surpasses its predecessor, which managed about 150 Wh/kg. This increase in energy density means vehicles can travel further on a single charge, a critical factor in consumer adoption.

BYD Set To Launch New Blade Battery In 2025 With 30% More Range. By Sounder Rajen. December 3, 2024. 0. 990. Share. ... These batteries are now used across ...

The BYD Blade battery promised to set a new benchmark in battery safety when the announcement was made in 2020. Initially planned for select cars, BYD has ...

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Geely also put the New Short Blade EV Battery Technology through the industry's first "Six Extremes" serial test that includes seawater corrosion immersion, extreme cold ...

BYD blade battery technology uses a new cell length to flatten the cell design. According to the BYD patent, the company's blade battery can reach a maximum length of 2500mm, which is ...

BYD uses the Blade battery in its new-for-2021 Tang electric SUV and in its Han EV sedan, among other vehicles. During development, the Blade battery was subjected to a new series of stringent tests, Chen said. ...

According to the patent, the "blade battery" technology has a volume energy density of more than 330Wh/L, which is more than 30% higher than the original battery ...

With the New Short Blade EV Battery Technology's patented grid frame design, energy-absorbing cavity, three-layer sandwich bottom guard plate, CTB integration, thermal runaway control system, and multiple other ...

Today, BYD officially announced the launch of the Blade Battery, a development set to mitigate concerns about battery safety in electric vehicles. At an online launch event themed "The Blade Battery - Unsheathed to Safeguard the ...

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 ...

Test data show that in blade batteries with the same capacity, the 10-80% SOC average charging time of long blade battery is 26 minutes, with an average charging rate of 1.61C, with New Short Blade EV Battery Technology, ...

This comeback marks Rêver Automotive's goal to drive the country towards becoming an NEV (New-Energy Vehicle) technology and innovation, a commitment to pushing for Net Zero ...

BYD's blade battery technology represents a systematic approach to these fundamental constraints. The core challenge lies in optimizing particle density, uniformity, and ...

With CTP technology, battery packs are assembled directly from the cells without the need for modules. Many battery manufacturers, such as BYD Auto, CATL, LG ...

According to the patent, the "blade battery" technology has a volume energy density of more than 330Wh/L, which is more than 30% higher than the original battery system. The cost of battery packs is expected to be ...

The battery technology landscape continues to evolve, driven by the need for cleaner, more sustainable energy solutions. In 2024, battery technology advanced on several ...

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