



# New Energy Blade Battery Utilization

Will BYD launch a second generation blade battery?

BYD battery subsidiary FinDreams will launch a second generation version of its blade battery later this year, possibly in August. One of the key upgrades in the new battery will be the energy density which is expected to reach 190 Wh/kg.

What is the energy density of BYD blade battery?

When introduced the first generation blade battery had an energy density of 140 Wh/kg which has since been increased to 150 Wh/kg. BYD Chairman Wang Chuanfu revealed development of the new battery during a recent financial report communication meeting.

Why do all BYD cars have a blade battery?

This improves energy density and allows more batteries in a compact space, with a longer driving range. The 'honeycomb-like aluminum' design of the Blade Battery also provides greater rigidity and safety. The BYD TANG, BYD HAN and BYD ATTO 3 are all equipped with a Blade Battery.

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.

What are the benefits of a blade battery?

Efficiency and extended range are other benefits of the Blade Battery, offering greater power density for optimal performance and efficiency, including faster charging. BYD CTP (Cell to Pack) technology makes the difference, with the Blade Battery increasing space utilization by 50%.

What are the advantages of BYD's blade battery?

"In terms of battery safety and energy density, BYD's Blade Battery has obvious advantages," said Professor Ouyang Minggao, Member of the Chinese Academy of Sciences and Professor at Tsinghua University. The Blade Battery has been developed by BYD over the past several years.

The energy density of the new generation of batteries will be 190Wh/kg, and the range of pure electric vehicles will exceed 1,000km, which is expected to rewrite the fate of ...

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 ...

BYD CTP (Cell to Pack) technology makes the difference, with the Blade Battery increasing space utilization



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One of the key upgrades in the new battery will be the energy density which is expected to reach 190 Wh/kg. ... Such an arrangement increased the space utilization by 50% compared to existing LFP batteries at the time. ...

Compared with the traditional shape, BYD blade battery increases the space utilization . efficiency largely, ... (2021) Blade battery: power upgrade for new energy vehicles. ...

Next year, BYD will launch its next-gen Blade battery, which will unlock even more range for upcoming EVs. The advanced new batteries are more compact, safer, and ...

4 ???&#0183; 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 ...

When the explosion-proof valve is transferred to the bottom of the cell, the battery pack can truly achieve &quot;thermoelectric separation&quot;, and the original exhaust channel can be ...

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Human development has accelerated the consumption of resources, and the lack of energy is a problem that human beings have to face. With the progress of science and technology and the ...

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 ...

At present, the "blade battery" has been offline at Chongqing Fudi Battery Factory. At the press conference, Wang Chuanfu, Chairman and President of BYD Group, ...

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BYD's blade battery is close to be launched in a new version, "possibly in August", CarNewsChina writes. The current generation of the battery is set to be used on the ...

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