



BYD Blade Lithium Cells 51 2V 138AH

Power Wall

Why is BYD's blade battery revolutionary?

BYD's blade battery is revolutionary in several ways. We are happy to explain why this is the case, as well as the importance of the so-called Nail Penetration Test. One of the most important parts of an electric vehicle is the battery system. After years of study, research and development, BYD has come up with the Blade Battery.

Are BYD blade batteries safe?

None of these resulted in a fire or explosion, making BYD Blade Battery a safety leader for the burgeoning EV market. Efficiency and extended range are other benefits of the Blade Battery, offering greater power density for optimal performance and efficiency, including faster charging.

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.

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 is a blade battery?

Another unique selling point of the blade battery - which actually looks like a blade - is that it uses lithium iron-phosphate (LFP) as the cathode material, which offers a much higher level of safety than conventional lithium-ion batteries. LFP naturally has excellent thermal stability and is substantially cobalt free.

How safe is a blade battery?

The Blade Battery has undergone the most rigorous safety testing and exceeds the requirements of the Nail Penetration Test, the most rigorous way to test battery thermal runaway. This test simulates the consequences of a serious traffic accident and is considered 'The Mount Everest' among battery tests.

? Experience-- More than 16 years specialized in lithium battery, leaders of lithium lifepo4 battery.. ?
Certification-- UL 9540, UL 1973, CE, MSDS, UN38.3, ISO and IEC from national center for quality supervision and Inspection of ...



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