

Does blade battery pass a nail penetration test?

Blade Battery has safely passed the nail penetration test without emitting fire or smoke. The nail penetration test is regarded as one of the most rigorous ways to test the thermal runaway of batteries. The purpose is to simulate an internal short circuit of the battery.

What is the purpose of a blade battery?

The purpose is to simulate an internal short circuit of the battery. This is usually caused by external sharp metal objects penetrating the battery in a severe traffic accident. The Blade Battery passed the nail penetration test, without emitting smoke or fire. The surface temperature only reached 30 to 60°C."

Is BYD a safe battery?

New levels of safety and performance can be assured thanks to our new and innovative Blade Battery. BYD has been one of the pioneer in the battery industry for more than 26 year, our latest game-changing ultra-safe Blade Battery has passed serial extreme tests which made it now one of the world's safest batteries.

What is a BYD blade battery?

For over 29 years, BYD has been a pioneering force in the battery industry. At the heart of each of our electric vehicles is the innovative BYD Blade Battery. Recognised as one of the safest EV batteries in the world, it has undergone rigorous safety tests and is designed to optimise strength, range, and lifespan.

What are the advantages of BYD blade battery?

Four distinct advantages of BYD's Blade Battery include a high starting temperature for exothermic reactions, slow heat release and low heat generation. Also, the space utilisation of the battery pack is increased by over 50% compared to the conventional Lithium Iron Phosphate block batteries. True innovation and an industrial first.

Are EV batteries safe?

Recognised as one of the world's safest EV batteries, our battery has passed rigorous safety tests and is designed to maximise strength, range and life cycle. The raw material, lithium iron phosphate has a number of beneficial characteristics: slow heat generation, low heat release and non oxygen release.

The batteries are built to last up to 30 years of life and come with an 8 year warranty as standard. To test the durability and safety of the Blade Battery, BYD Europe conducted their own "Nail Penetration Test" comparing the Blade Battery to a typical NCM Lithium-ion battery - see the results for yourself in the video below!

The BYD Blade Battery, one of the world's safest EV batteries, offers unmatched strength, range, and longevity, passing rigorous safety tests for reliable performance.

Blade Battery Redefining EV Safety Standards Ultra SafeThe only power battery in the world that can safely pass the nail penetration test. Ultra StrengthThe maximum bearing capacity is 445kN, which is equivalent to being rolled over by a 46-ton truck. Ultra Driving RangeBlade Battery supports BYD-ATTO 3 a range of 521km\* as per ARAI test

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With the popularity of electric vehicles, battery safety testing has become more and more necessary in the car industry. In this guide, all your questions about battery safety testing are ...

Diverse applications of Blade Battery Electric Vehicles (EVs): Blade Battery technology can be employed in electric vehicles, offering enhanced safety, increased energy ...

Electric and hybrid vehicles have become widespread in large cities due to the desire for environmentally friendly technologies, reduction of greenhouse gas emissions and fuel, and economic advantages over gasoline ...

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The Han EV, BYD's flagship sedan model slated for launch this June, will come equipped with the Blade Battery. The new model will lead the brand's Dynasty Family, boasting a cruising range of 605 ...

Ensure the safe and stable operation of the battery ?Portability & Safety?The hedge cutter trimmer features a battery-operated design that requires no power cords or extension cords, giving ...

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