

## Nepal battery testing

Cimex Inc. Pvt. Ltd., the authorized distributor of BYD Auto Industry Co. Ltd. in Nepal has conducted the demonstration of BYD Blade Battery to highlight the EV safety standards. The test was conducted in Greater Noida in the presence of a Media Delegation from Auto Sector of Nepal.

The event was jointly hosted by Cimex Inc. & BYD India Pvt. Ltd. The nail penetration test also considered as the Mount Everest of Battery Testing as it is the most rigorous way to test the thermal runaway of batteries. BYD's patented technology Blade Battery is the only battery to successfully pass the Nail Penetration Test.

While undergoing nail penetration tests, Blade Battery emits neither smoke nor fire after being penetrated, and its surface temperature only reaches 30 to 60° C.

Under the same conditions, a ternary lithium battery mostly exceeds 500° C and violently burns, with the surface temperature reaching dangerous temperatures of 200 to 400° C.

The BYD Blade Battery is designed to remain safe and unaffected in the event of an accident, even if an object were to penetrate it. On the other hand, a Ternary Lithium (NCM) Battery may result in a dangerous fire if involved in an accident.

The Blade Battery has been developed by BYD over the past several years. The singular cells are arranged together in an array and then inserted into a battery pack. Due to its optimized battery pack structure, the space utilization of the battery pack is increased by over 50% compared to conventional lithium iron phosphate block batteries. The Blade Battery has also passed other extreme test conditions, such as being crushed, bent, being heated in a furnace to 300°C and overcharged by 260%. None of these resulted in a fire or explosion.

#BuildYourDreams #BYD #bladebattery #nailpenetrationtest #safetytest #safestbattery #bladevsncmbattery #CoolTheEarthByOneDegree #eplatform #atto3 #ev #mteveresttest #evbattery



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