

## Nepal battery safety

Nepal's commitment to environmental preservation and sustainability aligns perfectly with the adoption of lithium-ion batteries. With proper planning, investment, and awareness campaigns, Nepal can make a smooth and successful transition to lithium-ion batteries, ensuring a brighter, cleaner, and more sustainable energy future for its people ...

The heightened risk in the MG ZS EV fire incident stems from subpar battery design, construction, and the use of unauthorized chargers. Unlike smaller electric vehicles, electric cars and trucks incorporate advanced cooling systems that regulate battery temperatures for safety.

This design offers several potential advantages, including enhanced safety, higher energy density, and faster charging capabilities. Solid-state batteries have the potential to overcome the safety concerns associated with liquid electrolytes, as they are less prone to issues like overheating and fires.

KATHMANDU: Cimex Inc, the authorized distributor of BYD in Nepal, conducted the Nail Penetration Test in Kathmandu on Friday to demonstrate BYD Blade Battery's safety standard. Issuing a statement, the company said the test was conducted in the presence of media.

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KATHMANDU: The MG ZS EV, an electric car from MG Motors of China, suffered severe damage in a fire during the charging process in Budhanilkantha Municipality. The incident transpired around 1 AM on the night of December 25, resulting in the total destruction of the vehicle. The electric car, stationed for charging near Budhanilkantha, unexpectedly caught fire.

The local police promptly reported the incident. The MG ZS EV, identified by registration number Bagmati Pradesh-01-027-1581, was parked in an open space during the charging session.

The fire erupted at approximately 1 AM while the car was actively charging. Despite the intensity of the fire, the Kathmandu Metropolitan Police Department in Budhanilkantha assured that no casualties were reported. The Local Police has confirmed the incident.

Inquiries into the cause of the fire in the MG ZS EV are underway, the official distributor for MG Motors in Nepal, Paramount Motor representatives have declined to comment on the Budhanilakantha accident involving the MG ZS EV. Paramount Motors holds the authorized dealership for MG Motors in Nepal.

The incident involving the MG ZS EV in Budhanilkantha Municipality has raised concerns about the quality of electric vehicles (EVs) being sent to Nepal, particularly the potential use of substandard materials.

Reports suggest that the Chinese car manufacturer may have incorporated low-quality materials in the vehicle, and it appears that this specific model was designated exclusively for the Nepalese market. This situation highlights the necessity for a robust quality control system in Nepal, especially concerning EVs.

The lack of stringent quality control measures in the country, particularly for electric vehicles, is becoming evident as safety issues arise. It is crucial for authorities to establish and enforce comprehensive regulations to ensure that vehicles meet international safety and quality standards before entering the Nepalese market.

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