

Mahindra Demonstrates Unprecedented Safety with Live EV Crash and Battery Torture Tests

Auto

Author : mahindraadmin Category : Auto Published : 11/27/2024

Chennai, November 27, 2024: Mahindra has set new safety benchmarks by conducting India's first live EV crash test on its Electric Origin eSUV—the XEV 9e. Becoming the first Indian OEM to perform such a test, the company showcased the vehicle's robust construction at its state-of-the-art Passive Safety Lab in Tamil Nadu, one of the largest OEM-owned facilities globally.

Live Crash Test Demonstrates Exceptional Safety

The XEV 9e equipped with advanced safety features underwent a frontal 40 percent offset deformable barrier crash test at 64 km/h. The airbags deployed as designed, and the occupant cage remained intact, confirming the vehicle's robust safety performance and structural integrity.

Battery Resilience Proven Through Rigorous Testing

Mahindra demonstrated exceptional battery resilience by conducting several rigorous tests:

- **Nail Penetration Test:** A live battery Cell is subjected to a nail penetration test, proving it can withstand physical damage without catastrophic consequences.
- **Fire Resistance Test:** Mahindra today exposed a fully charged battery to open fire, confirming it maintains structural integrity and does not

lead to Fire or explosion under extreme temperatures.

- **Crush Test:** In a dramatic demonstration, a 22-tonne truck was driven over a live battery pack. Despite the severe abuse, the battery retained its structural integrity, electrical function, and charging capability.

With these rigorous tests, Mahindra is unlimiting safety and setting new standards in the automotive industry. The XEV 9e and BE 6e not only embody Mahindra's vision of safe and sustainable mobility but also reaffirm its commitment to engineering vehicles that exceed global safety standards.

Social Media Addresses for Mahindra Electric Origin SUVs:

- Brand website: <https://www.mahindraelectric SUVs.com/>
- Instagram: [@mahindraelectric SUVs](https://www.instagram.com/mahindraelectric SUVs)
- Twitter (X): @mahindraeSUVs
- YouTube: @mahindraelectric SUVs
- Facebook: @mahindraelectricorigins SUVs
- Hashtags: #UnlimitIndia #XEV9e #BE6e #MahindraElectricOriginSUVs

About Mahindra

Founded in 1945, the Mahindra Group is one of the largest and most admired multinational federation of companies with 260000 employees in over 100 countries. It enjoys a leadership position in farm equipment, utility SUVs, information technology and financial services in India and is the world's largest tractor company by volume. It has a strong presence in renewable energy, agriculture, logistics, hospitality, and real estate.

The Mahindra Group has a clear focus on leading ESG globally, enabling rural prosperity and enhancing urban living, with a goal to drive positive change in the lives of communities and stakeholders to enable them to Rise.

Learn more about Mahindra on www.mahindra.com / Twitter and Facebook:
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