

Caterham to use immersion-cooled battery packs in its new EV sports coupe

We are pleased to announce that Caterham EVo Limited (Head office: Dartford, Kent, the UK; hereinafter referred to as 'Caterham'), a subsidiary of VT Holdings Co., Ltd. (Head office: Nagoya, Aichi, JAPAN), has decided to adopt immersion-cooled battery packs developed by Xing Mobility Inc. (Head office: Taoyuan, Taiwan; hereinafter referred to as 'Xing Mobility') in its new EV sports coupe prototype (hereinafter referred to as 'Project V').

Caterham unveiled the Project V concept car as the world premiere at the Goodwood Festival of Speed in the UK in July 2023, later at the Tokyo Auto Salon in Japan in January 2024. Project V is an EV sports coupe that inherits Caterham DNA, which prioritizes driving pleasure with the principles of Light-Weight, Simple, Fun-to-Drive. Toward mass production and commercialization, Caterham is currently developing a prototype vehicle with its project's collaboration partners such as TOKYO R&D Co., Ltd. (Head office: Chiyoda, Tokyo, JAPAN) and Yamaha Motor Co., Ltd. (Head office: Iwata, Shizuoka, JAPAN; hereinafter referred to as 'Yamaha Motor'), with the aim of completing it in 2025. Following the announcement in October this year of the use of e-Axle developed by Yamaha Motor, the project has made further progress through the decision of battery which is another primary EV component. The concept car will return to the Tokyo Auto Salon in January 2025.

XING Mobility's IMMERSIO™ Cell-to-Pack (CTP) immersion-cooled battery pack stands out for its exceptional heat dissipation, safety, and high energy density. Immersion-cooling technology, in which the cells are immersed in a dielectric liquid, ensures high safety due to rapid and uniform heat dissipation and top-class energy density of 200 Wh/kg. Founded in 2015, Xing Mobility is a global leader in immersion-cooling battery technology, with a production facility in Taiwan. In Japan, Xing Mobility has forged a strategic partnership with HKS Co., Ltd. (head office: Fujinomiya, Shizuoka) to advance its presence in the EV market.



IMMERSIO™ Cell-to-Pack (CTP)



Project V concept car



CATERHAM

For more information, please contact the details below

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