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2024 Taiwan Climate Action Expo Master Bus Showcases Smart Transportation Solutions Towards Net-zero Future

The 4th Taiwan Climate Action Expo (TWCAE 4) was held from October 18 to 20, 2024, at the National Museum of Natural Science in Taichung, focusing on low-carbon sustainable development. Taiwan's Electric Bus National Team, Master Transportation, showcased a 12-meter low-floor rapid-charging electric city bus, a long-distance intercity rapid-charging electric coach, and a high-power self-developed motor. The company aims to promote smart transportation in Taiwan, achieve net-zero transformation, align with international sustainability trends, and demonstrate a commitment to a sustainable, net-zero future.



▲ Master's self-designed and developed central direct-drive motor features a peak power output of 450 kW.



▲ Lin Tzu-luen (fourth from left), Deputy Executive Director of the Energy and Carbon Reduction Office at the Executive Yuan, posed for a group photo in front of Master's electric bus alongside Chairperson Yu Li-ching (second from right) of Master's domestic distribution company and General Manager Wu Chung-Hsi (first from left).

In response to climate change, Master Bus is committed to low-carbon transformation by developing green technologies and smart transportation solutions to reduce greenhouse gas emissions. At TWCAE 4, Master showcased its flagship models, including a 12-meter two-door low-floor electric city bus and a long-distance intercity fast-charging electric coach designed for commuting between cities and suitable for highway transport, which is expected to enter mass production in Q1 2025. The company also presented its self-developed central direct-drive motor, delivering a peak power of 450 kW, a peak torque of 4,500 N-m, and a peak efficiency of 98%. This motor features a direct drive system with no gearbox, aligning with top global standards while providing a combination of comfort, safety, and stability to ensure high level of comfort and enhanced safety.