



Master Announces Self-developed eMotor With 600hp Peak Power at E-Mobility Taiwan

The 2035 E-Mobility Taiwan takes place at Taipei Nangang Exhibition Center Hall 1 from April 17th to 20th, 2024. Master Bus officially unveils their self-developed 600hp (450kW) high-power direct-drive central motor, along with the long-distance intercity fast charging electric coach equipped with a 218kWh battery capacity. This shows Taiwan's exceptional strength in the electric bus industry, demonstrating strong capabilities in research and development while significantly enhancing the performance of electric buses.

Master Chairman Wu Ting-fa emphasizes that the chassis is the core of electric buses, and the core of the chassis lies in the motor. Drawing on over 20 years of experience in chassis and vehicle body manufacturing, Master develops a high-power direct-drive central motor. This motor not only boasts a peak power of 600hp (450kW) but also features a peak torque of 4,500N-m and a peak efficiency of 98%. All specifications are on par with those of leading global motor manufacturers. It is expected that starting from the latter half of this year, these motors will be installed in Master's electric intercity coaches and the People Mover System (PMS) vehicles for the Terminal 3 at Taoyuan International Airport.



▲ Master Bus President Wu Chung-hsi, introduced Master's self-developed 600hp (450kW) high-power direct-drive central motor, along with the long-distance intercity fast charging electric coach equipped with a 218kWh battery capacity.

Master Long-distance Intercity Coach Sets Best Global EV Maximum Daily Mileage

Another highlight of Master Bus at this exhibition is the long-distance intercity fast-charging electric coach, featuring a 218kWh battery capacity using LTO (Lithium Titanium Oxide) batteries. It can be charged from 20% to 80% in just 15 minutes. Master announces that the showcased fast charging intercity coach will soon undergo daily round-trip tests between Taipei and Kaohsiung, accumulating over 1,400 kilometers of mileage per day. This performance represents the best electric bus maximum daily mileage around the globe. Mass production of this model is expected to commence in the latter half of this year.



▲ The long-distance intercity fast-charging electric coach exhibited by Master is expected to start mass production in the second half of this year.