

# 150 kWh battery life

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The EV maker revealed the ET7 electric sedan powered by its new 150 kWh battery achieved 1,044 km (650 miles) CLTC range on a single charge. And it still had 3% battery capacity remaining.

Beijing-based battery maker WeLion New Energy Technology developed the 150 kWh SSB. It was announced three years ago at Nio Day 2020 (held in January 2021) when Nio's first sedan, ET7, was launched. The single cell has an energy density of 360 Wh/kg, while the whole pack has a 260 Wh/kg density.

The star here is the 150 kWh battery pack which has an energy density of 360 Wh/kg. It's one of the highest-density mass-produced batteries for EVs and has been supplied by Beijing WeLion New Energy Technology.

At 1,044 kilometers, this is the driving range that Nio's (NYSE: NIO) 150-kWh semi-solid battery pack has achieved on a single charge as seen in a real-life test, and is the longest range of any mass-produced electric vehicle (EV) to date.

Nio has demonstrated the real-life range of its new 150-kilowatt-hour Ultra Long Range battery by completing a 648-mile (1,044-kilometer) journey in China on a single battery charge.

ET7?202119 "NIO Day",2022,44.8? 2022623,"6221720,,,?,...

Nio, a Chinese EV car maker, has just completed a battery challenge with its mass-produced ET7 sedan, driving for 1,044 km on a single charge.

The Nio ET7 arrived at its destination with a 3% state of charge, or 36 km of range, according to stats shared by the company.

Nio is best known for its battery swap technology and operates over 2,000 battery swap stations across China and Europe. According to the timeline shared by Nio, Li left a Nio battery swap station in Shanghai at 6:32 am with the car arriving with the same battery at its destination at 8:33 pm.

Given it's winter, the temperatures during the testing were quite low which isn't optimum for range testing.

Regardless, the car drove for extended periods with an average consumption of 132 Wh/km at an average speed of 84 km/hr.

"Today, we have witnessed that the range of smart pure electric vehicles has entered the era of one thousand kilometers. #Weilai ran 1044 kilometers on one battery. The 150kWh battery life challenge was completed,



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with a final score of 1044 kilometers!

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