Tesla lfp battery size

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In winter conditions (at about -3?C) with wet roads and with 18" Sailun Ice Blazer Arctic (235/45-18) tires, the new Tesla Model 3 had a noticeably higher efficiency and range than the previous version, as well as a long list of other cars.

At 90 km/h, the car achieved a range of 404 km (251 miles) - 99% covered and 1% estimated. That"s almost 17% more than the previous version in the winter test (see full report here). The difference, higher than the increase in battery capacity, is partially related to 6.6% lower energy consumption at 142 Wh/km (228 Wh/mile).

At 120 km/h (75 mph), the range decreased by 28% to 289 km (180 miles) as energy consumption increased by 40% to 199 Wh/km (320 Wh/mile), however, those are outstanding results, better than in the case of many other models with 20 kWh bigger battery packs.

Tesla EVs have gone through many design iterations over the years, and one of the most-revised parts of Tesla"s design has been the high voltage battery. The early years of the Model S and Model X saw everything from a 40 kWh battery pack to a massive 100 kWh pack, with plenty of packs in between.

Just so we"re clear, all Teslas, from the 2006 Roadster to the 2023 Model Y, use Lithium-Ion battery packs. The difference in battery packs between Teslas lies with the chemistry that goes along with the lithium and in the physical size and number of the cells included in each pack.

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