



55 kWh battery life

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EV Battery Capacity & Estimating Range. An EV's battery capacity is like the size of its fuel tank. While we measure a fuel tank in gallons, we measure battery capacity in kilowatt hours (kWh). We already explained that a watt-hour is a measurement of energy, so a kilowatt-hour is simply 1,000 of those watt-hours.

The EPA provides range estimates for every electric vehicle, but they don't test EV range in the real world -- and Edmunds does. Read all the latest real-world EV test results from the Edmunds...

Electric Car Battery Life: Everything You Need to Know, Including How Long They Last. The battery packs of electric vehicles are quite resilient, with the lithium-ion type used in most...

Volkswagen recently debuted its 2017 e-Golf with a new 35.8 kWh battery pack that enables a range boost to now 124 miles on a single charge - up from the 83-mile range of the previous version.

Specifications of 2021 Tesla Model 3 Standard Range Plus RWD. Electric motor: 239 kW @ 5525 rpm, 420 Nm @ 325 - 5200 rpm, Top speed: 139.8 mph / 225.0 km/h, Battery: 55.4 kWh. Market-dependent prices, MSRP.

Kreisel Electric, a small startup launched by three brothers in Austria, has been making headlines in Europe for having retrofitted some popular European-built electric vehicles with their own battery packs and significantly increasing their range in the process.

The three Kreisel brothers developed their own battery pack technology using regular battery cells and they managed to double the energy density of every car they retrofitted, including a Porsche Panamera, a Skoda Yeti and a Mercedes-Benz Sprinter. Now their latest project, a VW e-Golf, could actually make it to production.

Earlier this year, Kreisel announced that it started construction of a new battery factory to manufacture up to 800 MWh of high energy density li-ion battery packs aimed at the electric vehicle industry.

The company claims to be in contact with partner companies regarding mass production of cars with Kreisel batteries. Whether it'd be producing the packs directly for automakers or offering the system as an aftermarket upgrade remains to be seen, but apparently it's their latest e-Golf that has impressed the most.

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Kreisel did the same thing, but working from the 2016 e-Golf with a 24.2 kWh battery pack at a weight of 330kg, the company delivered a 55.7 kWh pack with an identical installation volume and weight so that it can easily fit inside the car. The range of the vehicle exceeds 200 miles on a single charge.

It's important to note that Kreisel's technology is on the battery pack side and no cells, which the company imports from a supplier just like most automakers. The company focuses on developing light weight, compact and efficient all in-battery solutions with their own BMS and liquid cooling system.

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