

Facts & Figures



E-vehicles StreetScooter

With the StreetScooter, Deutsche Post DHL Group has collaborated with StreetScooter GmbH and institutes within RWTH Aachen University to develop its own pioneering electric car to be used specifically for mail and parcel deliveries. In 2012, the first prototype was tested in various workshops and proved to be suitable in terms of equipment, load capacity and safety standards. At the beginning of 2014, Deutsche Post DHL Group then put into operation a total of 150 pre-series vehicles at various delivery bases across Germany. Efficiency and environmental compatibility, in particular, were tested in the process. The vehicle's maximum range extends to 80 kilometers. 10,000 StreetScooters are on the road today for Deutsche Post DHL Group, mostly in Germany.

Electric vehicles are particularly suitable for trips involving lots of stop-start traffic. Since they are almost completely emission-free in terms of pollutants and noise, the cars are very environmentally friendly and quiet. Their independence from fossil fuels also makes the use of vehicles with electric drives an investment in the future.

Technical details

The StreetScooter has to cope with up to 300 stops and starts for mail and parcel deliveries per day, and is on the road as many as 300 days a year. With its robust and simple design – the vehicle is about 4.7 meters long – the superstructure provides enough loading capacity for letters and parcels and is also equipped in line with all safety standards. The vehicle can travel at speeds of up to 85 km/h and is primarily designed for deliveries in rural areas as well as smaller and mid-sized towns. It has an output of up to 48 kW, which is produced by a lithium-ion battery and an electric motor.

Technical data

	StreetScooter WORK Box	StreetScooter WORK L Box
Engine capacity (in kW)	48	48
Battery type	Lithium-ion	Lithium-ion
Battery size (in kWh)	20*	40
Range (in km)	up to 80 (postal operations) 113 (NEDC**)	up to 80 (postal operations) 187 (NEDC**)
Maximum speed (in km/h)	85	85
Overall dimensions (L/W/H in m)	4.71 / 2.09 / 2.04	5.78 / 2.09 / 2.35
Volume (in m ³)	4.3	8
Load capacity (in kg)	720	905
Permissible total weight/unladen weight (in kg)	2,180 / 1,460	2,600 / 1,695
Charging time	4.5 – 7 hours	10 – 13 hours
CO2 savings and diesel per year and vehicle	3 tons and 1,100 liters	4 tons and 1,500 liters

*40 kWh battery with a range of 205 km (NEDC) available on request for external customers

**NEDC = New European Driving Cycles

Zero emissions logistics, alternative drives and efficiency measures

Deutsche Post DHL Group has set itself the goal of carrying out 70 percent of its own deliveries (including pickups) with clean and emission-free delivery and pickup concepts, in order to make a positive contribution to local air quality. The company also modernizes its vehicles continuously, based on the latest emissions standards at the time. 80% of our road vehicles in Europe were compliant with Euro 5 or Euro 6 standards, or were entirely emissions-free (“ZEVs”).

In addition to carrying out technical modifications to conventionally operated vehicles, the company is placing an increasing emphasis on the use of alternative drives and fuels in order to reduce its greenhouse-gas emissions even more. In particular, this includes electromobility and gas-powered engines for short distances as well as sustainably produced biofuels of a later generation for long-haul shipping.

Updated: August 2019