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Volvo Buses unveils new, enhanced 7900 Electric

Volvo Buses is now launching a new version of its all-electric bus, the Volvo 7900 Electric. With significantly extended range and more charging options, the new vehicle offers bus operators even greater flexibility.

Battery capacity, in particular, has been significantly extended, and the new Volvo 7900 Electric is available with a choice of 150, 200 and 250 kWh. This means that the bus can run far longer between charges, allowing it to be utilised more efficiently throughout the day.

"This is a very important reinforcement of our electromobility product range, giving our customers maximum flexibility in their daily operations. During peak hours the buses can operate continuously without stopping to recharge. Instead, the batteries can be charged once traffic is at off-peak levels. On shorter routes, they can even run throughout the day and be charged at night," said Håkan Agnevall, President, Volvo Buses.

"As the demand for electric buses has grown very rapidly

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both in Europe and the rest of the world, it is good that we can offer cities an electric-bus system that provides better pre-conditions than ever to switch to sustainable, quiet and emission-free public transport."

Volvo Buses has also expanded the range of options regarding the way batteries are charged. As before batteries in the new Volvo 7900 Electric can be fast-charged at the route's end stops via the open and competition-neutral OppCharge interface.

However, they can now also be charged via cable, CCS, which is the European standard for charging of electric vehicles from the mains grid.

"Operators can choose the charge interface that best suits each particular occasion. For instance, CCS is suitable for high-power charging when the bus is parked in the depot," said Johnny Lidman, Product Manager, City Buses Europe, at Volvo Buses.

The new Volvo 7900 Electric, now being launched in the market, had its premiere showing at the Busworld 2017. The first models of the new generation electric bus are expected to become operational at the end of 2018.

The buses are sold in the form of a complete turnkey solution, with Volvo taking care of all maintenance of both vehicles and batteries at a fixed monthly cost.

The following are the special features of the bus:

- All-electric propulsion, two-axle 12-metre city bus with low floor and three doors, quiet and emission-free operation, 80% lower energy consumption than the corresponding diesel bus, battery capacity of 150, 200 or 250 kWh, charging via OppCharge or CCS (250 kWh charge only via CCS), and operating a range of up to 200 km depending on the topography and driving conditions.

