



MAN starts series production of MCS-ready eTrucks

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First series-production vehicle equipped with the Megawatt Charging System (MCS) rolls off the assembly line at the MAN plant in Munich

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- **Pioneer: MAN is the first European manufacturer to produce MCS-equipped eTrucks in series production**
- **MCS enables charging capacities of up to 750 kW in the MAN eTGX and MAN eTGS, reducing charging times to well below mandatory driver rest periods**
- **Daily ranges of more than 1,000 kilometres can be achieved within the same working time as with a diesel truck**
- **With the first series-produced MCS-capable vehicles, MAN is supporting the ramp-up of the fast-charging standard for battery-electric trucks**

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At MAN Truck & Bus, the first series-produced eTruck equipped with the Megawatt Charging System (MCS) has rolled off the assembly line. With this vehicle, MAN is the first manufacturer in Europe to bring the new commercial-vehicle-specific charging technology into practical operation, creating the conditions for significantly shorter charging times in battery-electric road freight transport. The first MCS-ready MAN eTrucks will be delivered step by step to customers in Belgium, Denmark, Germany, Great Britain, Italy, the Netherlands, Norway, Spain and the Czech Republic. By doing so, MAN is already providing its customers with the eTrucks of tomorrow while simultaneously supporting the development of a powerful ecosystem of vehicles and charging infrastructure.

MCS enables significantly higher charging capacities than the currently established Combined Charging System (CCS). While CCS currently allows charging capacities of up to 375 kW for MAN eTrucks, MCS-equipped vehicles can achieve charging capacities of up to 750 kW, with up to 1,000 amps and up to 750 volts. As a result, charging times are considerably reduced. Charging the battery from 20% to 80% state of charge (SoC) in a MAN eTGX or MAN eTGS

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and providers of transport solutions with an annual sales revenue of around 14.1 billion euros (2025). The company's product portfolio includes trucks, buses and coaches with diesel and zero-emission drives, vans, diesel and gas engines along with services related to passenger and cargo transport. MAN Truck & Bus is a company of TRATON GROUP and employs some 32,000 people worldwide.



with six batteries and a total battery capacity of 534 kWh takes less than 30 minutes using MCS technology. Even with the seven-battery configuration available for chassis vehicles, providing a total capacity of 623 kWh, charging to 80% SoC takes less than 40 minutes using MCS. This means that eTrucks can be recharged during legally required driver break periods. Customers benefit from reduced downtime, improved vehicle utilisation and greater operational flexibility. With ranges of up to 570 kilometres between charging stops in a typical long-haul tractor-semitrailer configuration, daily ranges exceeding 1,000 kilometres can be achieved within the same working time as with a diesel truck.

“The MCS ecosystem is currently at an important stage of market introduction. Vehicles, charging infrastructure and IT backend systems are evolving dynamically and hand in hand. With the first MCS vehicles, MAN is actively helping to establish the new charging standard in Europe and further strengthen interoperability throughout the overall system,” says Roman Sitte, Head of Sales Area Europe at MAN Truck & Bus.

To ensure the smooth ramp-up of the new technology, MAN is working closely with relevant charging infrastructure manufacturers. In principle, the MAN eTGX and eTGS are designed to meet the requirements of different charging infrastructures. In addition to the front-left MCS charging position, the vehicles can optionally be equipped with additional CCS charging points at the front-right position and, for chassis vehicles, at the rear on both the left and right sides. This positioning of the charging ports facilitates use at both public and private charging stations and improves accessibility across various locations.

As part of its 360° eMobility consulting services, MAN Transport Solutions already takes available and planned MCS charging stations into account in order to optimally plan long-haul eTruck operations for customers. In addition, through the MAN Charge&Go offering, customers can conveniently and cost-effectively charge their batteries across Europe at MCS and CCS charging points that have been specifically tested and approved for eTruck requirements.