



# Megawatt Charging System (MCS)

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**Ultra-fast charging of battery-powered vehicles, providing up to 4.5MW of power with a single connector.**

Cavotec is a leading cleantech company that designs and delivers connection and electrification solutions. Our new Megawatt Charging System (MCS) is a turnkey DC charging solution with grid-to-inlet functionality that enables the decarbonisation of industrial vehicles and vessels.

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Cavotec's high-power DC MCS is a modular solution, featuring either manual or automated connection to the vehicle inlet, and providing up to 4.5MW charging power with a single MCS connector.

The system consists of a high-power electronic module, an MCS connector and an MCS inlet as a mating device located on the vehicle.

**Benefits**

With charging power of up to 4.5MW per connector, the system significantly reduces charging time and maximises uptime compared to existing Combined Charging Systems (CCS).



## Features

MCS features three different power levels, (350kW, 1MW and 4.5MW), as defined by MCS task force of CharIn, which is working to establish a standard for industrial charging applications on land, sea and in the air. For all three levels, the size and weight of the connector and cable are specified with minimal weights to enable manual connection at the vehicle inlet and use in harsh industrial environments.

Active cooling of the connector and cable, (for levels 2 and 3), and vehicle inlet, (level 3 only), are included in our MCS package. The power management system incorporates user dashboards and controls the charging process while providing key charging data such as voltage, amperage and system temperature.

## Applications

The MCS can be used to charge all kind of heavy-duty vehicles, like agriculture and construction vehicles, heavy-duty trucks, e-vessels, and others, wherever fast charging is needed.



# Have Cavotec contact you!

To discuss your specific requirements  
for making your operations safer, more  
efficient and more sustainable.

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Disclaimer: specifications are subject to change  
without notice.

*Issued July 2023.*