



# Mobile Charger MC-40

The MC-40 is a mobile DC charging station with a charging power of up to 40 kW.

Whether in the workshop area or in the depot, this option for DC charging is flexible to use. The compact design includes the communication technology and the power electronics required for the DC charging of e-vehicles. Monitoring by a back-end is also included.

- Max. 40 kW CCS charging power
- 7" touchscreen for easier handling
- 5 m charging cable, CCS Combo 2, 5 m connection cable CEE 63A
- Nominal 750 V charging voltage available
- Communication with the back-end via LTE network
- Steel sheet, powder-coated
- Customized design on request

# Mobile Charger MC-40 data sheet

This mobile charger is an absolute must in the servicing of e-vehicles. Due to expanded monitoring functions, the user is provided with data about the charging and diagnosis of e-vehicles. The compact DC charging station is the link for the connection of the vehicle to be loaded to a standard CEE 63A socket. The charger fulfills the following functions:

- Communication with the vehicle and monitoring of the charging process
- Measuring of the energy volume charged (optionally compliant with calibration law) and transmission of data to the back-end (optionally online connectivity)
- Communication with the end customer via 7" touch display

The components mounted into this charging container are located in a stable sheet steel housing which is weatherproof and specially protected against shock and vibration.



## Electrical data

|                        |   |
|------------------------|---|
| Nominal voltage        | 750 Vdc   |
| Range                  | 400 – 900 V<br>(optionally available with 200 – 450 V output voltage) |
| Nominal current        | 53 A  |
| Charging power         | 40 kW   |
| EMC                    | EN 61000-6-3<br>EN 61000-6-2<br>EN 61851-21-2                         |
| Electrical safety      | EN 60664-1  |
| Electrical connections |   |
| Input                  | 5 m cable<br>CEE 3x63A  |
| Output                 | charging cable<br>5 m CCS cable                                       |

## Environmental conditions

|                                       |                            |
|---------------------------------------|----------------------------|
| Ambient temp. during normal operation | -25°C to 55°C              |
| Relative humidity                     | 5% – 95%                   |
| Operation altitude                    | up to 2000 m               |
| Protection class                      | IP 54                      |
| Shock resistance                      | IK09                       |
| Base                                  | mobile, with locking brake |
| Dimensions                            |                            |
| Width                                 | 730 mm                     |
| Depth                                 | 890 mm                     |
| Height                                | 1510 mm                    |
| Colour                                | RAL 9016 structure         |
| Weight                                | approx. 260 kg             |

## Communication

Charging controller each charging point ISO 15118, DIN 70121, IEC 61851-1, IEC 61851-23, IEC 61851-24  
LTE, LAN/WLAN, DC energy counter compliant with calibration law (accessory), OCCP