



# MEGAWATT CHARGING SYSTEM (MCS)

## FOR HIGH-POWER DC CHARGING

Megawatt Charging System is a new solution that enables fast and powerful charging of all types of electric heavy-duty vehicles. MCS standard supports currents up to 3000 A, providing a maximum charging power of up to 3.75 megawatts (MW), which reduces the charging time and increases the efficiency. With Megawatt Charging System, an electrical heavy-duty vehicle can be recharged from 20 to 80 percent in less than 30 minutes during the driver's mandatory 45-minute rest after 4.5 hours of driving.

Inlet up to 4000 A



### Advantages at a glance

- A powerful and efficient charging solution
- MCS delivers charging power of up to 3.75 MW, which reduces charging time
- Fast charging time increases the productivity and vehicle uptime
- MCS enables long distances with less downtime
- MCS ensures high levels of power safely
- Liquid-cooled cable technology
- Robust and touch-safe connector
- Ruggedized 2000 A – 4000 A inlets for installation in electric vehicles
- Designed in Europe

### MINIMUM VIABLE PRODUCT

|                             |                              |
|-----------------------------|------------------------------|
| Voltage Range               | 1500 V DC                    |
| Current Range               | 4000 A                       |
| Charging Power              | up to 6 MW                   |
| Degree of protection        | IP66 (mated), IP20 (unmated) |
| Standards                   | CE, RoHS compliant           |
| Operating temperature range | -35°C to +50°C               |
| Cable Length                | up to 15 m                   |



MCS cable

Please scan or click for more information:



**Lapp Mobility GmbH**  
 Oskar-Lapp-Str. 2 · D-70565 Stuttgart  
 Phone: +49 711 7838 - 04 · Fax: +49 711 7838 - 3520  
[www.lappmobility.com](http://www.lappmobility.com) · [info.de.lmd@lapp.com](mailto:info.de.lmd@lapp.com)

