



Multi - Vehicle Ultra - Fast Charging Solution

DC Charger / UFC 200

- 200 kW charging power for next generation e-vehicles
- Dynamic power management minimizing the charging time
- Integrated credit card payment solution and RFID user identification
- Connector on both sides for different traffic schemes



Fast Charging
Corridors



Parking



Service
Station



Traffic
Hub



Logistics
Fleet



Forward-Looking EV Infrastructure

Speed-up your power with UFC 200

Delta's UFC 200 platform offers the convenience of a single charging station with the flexibility to charge up to four vehicles simultaneously. Two charging points are available for DC fast charging up to 200 kW and two charging points for AC charging with 22 kW each. Thanks to the integrated power management, the available power can be optimised, the charging times of

the vehicles can be reduced and the maximum currents at the grid connection point can be secured at all times. For larger DC charging parks, additional variants and configurations are possible to optimize operation or to implement different traffic and parking concepts.



Application Scenario

Charging Network

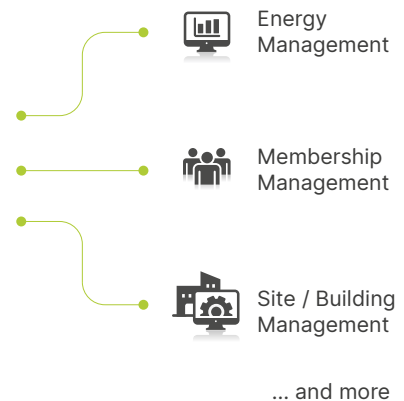


Backend System

DeltaGrid® EV Management System



Applications



Feature Highlights



Efficient Charging Service

- Simultaneous Charging up to four vehicles
- Dynamic Load Distribution
- 94% Power Efficiency
- 400A CCS cable without liquid cooling
- Supports up to 920 VDC



Complete System Integration

- Network Connectivity
- Backend Compatibility
- Energy Management
- Interoperability with EV



Optimal Operation

- All-Weather Outdoor Design
- Low Lifecycle Cost
- High Availability Service
- German Eichrecht Conformity



Product at a Glance

Network Connectivity

Ethernet, Cellular 2G / 3G / 4G

User Authentication

Credit card, RFID reader, Autocharge
Prepared for ISO 15118-2

Protection

IP55, IK10



Accessibility

According to DIN 18040

Charging Standard

- CCS up to 200 kW / 400A
- CHAdeMO up to 62.5 kW
- AC Type 2 charging ports 2x 22 kW
- Choice of plug standard

Specifications

| Model Name | | UFC 200 |
|-------------------------------------|--|--|
| Input | | |
| AC Connection | 3-Phase, L1, L2, L3, N, PE | |
| AC Voltage | 400 V _{RMS} (L-L) ± 10 % | |
| Frequency | 50 / 60 Hz | |
| Nominal Current | 380 A _{RMS} at maximum power (200 kW DC + 2×22 kW AC) | |
| Power Factor / THDu | 0.99 / 1.5 % | |
| Mains Terminal | Terminal blocks | |
| Transient OVP | Class II / C protection | |
| Output | | |
| DC Output Voltage Range | 200 V to 920 V _{DC} | |
| Maximum Current | 500 A _{DC} at 400 V _{DC} / 250 A _{DC} at 800 V _{DC} | |
| Maximum Power | 200 kW _{DC} | |
| Cable Length / Reach Distance | 3.2 m / 2.2 m (option 5 m / 3.7 m) | |
| Protection | Over current, Under voltage, Over voltage, Short circuit, Ground fault and Isolation monitoring | |
| User Interface & Control | | |
| Display | 7 inch LCD | |
| Supported Languages | English (Up to 4 additional languages available on request) | |
| Push Button | 1 Emergency Stop Button (option) | |
| Keypad | 5 buttons | |
| Local Authentication | RFID and NFC Credit card terminal option, Autocharge | |
| Network Interface | Ethernet, Cellular, 2 G / 3 G / 4 G | |
| Protocol | Back-end system integration with OCPP 1.5 and 1.6 (HW readiness for OCPP 2.0) Modbus TCP for load management / energy management system integration | |
| Environmental | | |
| Operating Temperature | -25 °C to +50 °C | |
| Storage Temperature | -40 °C to +80 °C | |
| Humidity | < 95% relative humidity, non-condensing | |
| Altitude | Up to 2000 m | |
| Mechanical | | |
| Ingress Protection | IP55 | |
| Enclosure Protection | IK10 on the enclosure, IK08 on the display (according to IEC 62262) | |
| Cooling | Forced air | |
| Dimension (W x H x D) | 2079 × 859 × 998 mm | |
| Weight * | 550 kg* | |
| Regulation | | |
| Safety | IEC 61851-1, IEC 61851-23, IEC 62479-1/-7 | |
| EMC | EN 55011, IEC 61851-21-2 | |
| German Eichrecht | Fully Compliant | |
| Accessibility | DIN 18040 | |
| DC Charging Points | | CHAdemo |
| Rating cable and connector | 400 A _{DC} | 125 A _{DC} / 500 V _{DC} |
| Compliance | IEC 61851-23 / -24, IEC 62196-3, DIN 70121 Prepared for ISO 15118-2 | IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant |
| AC Charging Point | | |
| Nominal AC Voltage | 400 V _{RMS} | |
| Type 2 AC Plug / Connector | 3 × 32 A _{RMS} at 22 kW | |
| Protections | RCD Type A 30 mA+ 6 mA DC leakage current detection, compliant to IEC 62955 | |
| Compliance AC connector & socket | IEC 62196-2 Mode 3, Type 2 | |

* Dimension and weight including charging connectors, subject to variants.

Product outlook depends on configuration. Specifications are subject to change without notice.



More information

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