

MULTI - VEHICLE
ULTRA - FAST CHARGING SOLUTION

UFC 200

Features

- 200 kW charging power for next generation e-vehicles
- Dynamic energy management minimizing the charging time
- Integrated credit card payment solution and RFID user identification
- 200 kW / 400 A CCS cable without liquid cooling
- Version with up to 920 V DC
- Full accessibility according DIN 18040
- Connector on both sides for different traffic schemes

Fast Charging Coridors | Parking | Service Station | Logistics Company | Traffic Hub

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/ parking concepts

Feature Highlights

Efficient Charging Service

- Simultaneous Charging up to four vehicles
- Dynamic Load Distribution
- 94% Power Efficiency
- ISO 15118 Authentication

Network Connectivity
Ethernet, Cellular 2.5G / 3G / 4G



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

Protection
IP 55, IK10

Complete System Integration

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

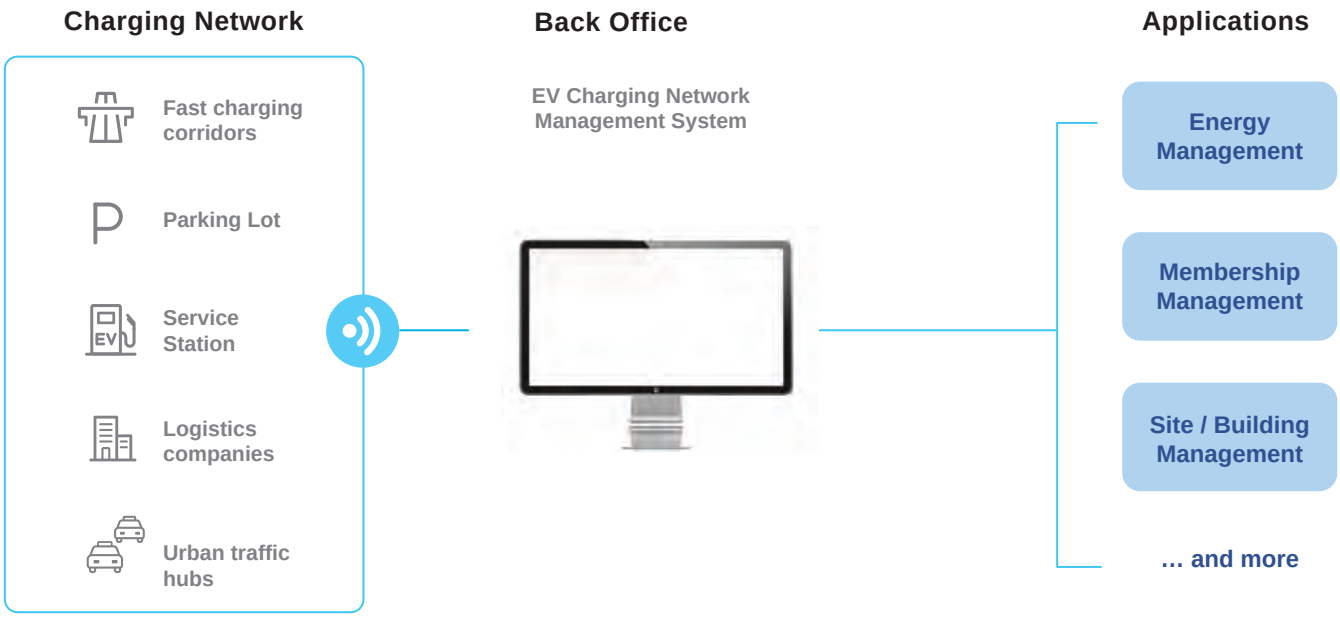
Accessibility
According DIN 18040

User Authentication
Credit card, RFID reader, ISO 15118

Optimal Operation

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

Application Scenario



Specifications

Input		
AC Connection	3-Phase, L1, L2, L3, N, PE	
AC Voltage	400 V_{RMS} (L- L) ± 10 %	
Frequency	50 / 60 Hz	
Nominal Current	410 A_{RMS} at maximum power (200 kW DC + 44 kW AC)	
Power Factor / THD	0.99 / 2.7 %	
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 400V_{DC} / 250A_{DC} at 800 V_{DC}	
Maximum power	200 kW_{DC}	
Cable Length / Reach Distance	3.2 m/ option 5 m	
Protection	Over current, Under voltage, Over voltage, Short circuit, Ground 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 Authentification	RFID and NFC Credit card terminal option	
Network Interface	Ethernet, Cellular, 2.5 G / 3 G / 4 G	
Protocol	Back-end system integration with OCPP 1.5 and 1.6 tested with OCTT Separate service interface and optional power/energy management interface	
Environmental		
Operating Temperature	Operating from -25 ºC to +50 ºC	
Storage Temperature	-40 ºC to +80 ºC	
Humidity	< 95% relative humidity, non-condensing	
Altitude	2000 m	
Mechanical		
Ingress Protection	IP55	
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Dimension (H x W x D) / Weight *	2079 x 859 x 998 mm / 550 kg	
Regulation		
Certificate	IEC 61851-1, IEC 61851-21-2, IEC 61851-22, IEC 62479, IEC 61851-23	
EMC	EN 55011, IEC 61851-21-2	
German Eichrecht	Full Compliant	
Credit card payment	Yes (optional)	
Accessibility	DIN 18040	
Cable specification standard	CCS	CHAdeMO
Rating cable and connector	400A_{DC}	125A_{DC} / 500V DC
Compliance	IEC 61851-23 / -24, IEC 62196-3, DIN 70121	IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant
AC Charging Points		
Nominal AC Voltage	400 V_{RMS}	
At 22 kW AC socket	3 x 32 A_{RMS}	
Protections	RCD Type A + 6 mA DC leakage current detection	
Compliance AC connetor & 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.



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