

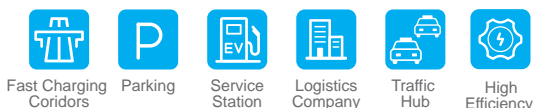


MULTI - VEHICLE ULTRA - FAST CHARGING SOLUTION

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 1000 VDC
- Full accessibility according DIN 18040
- Connector on both sides for different traffic schemes



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

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

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



Complete System Integration

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

Accessibility
According to 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

Charging Network



Fast charging corridors



Parking Lot



Service Station



Logistics companies



Urban traffic hubs

Back Office

EV Charging Network Management System



Applications

Energy Management

Membership Management

Site / Building Management

... and more

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	200V to 1000V _{DC}	
Maximum Current	500 A _{DC} at 400V _{DC} / 250A DC at 800 V _{DC}	
Maximum power	200 kW _{DC}	
Cable Length / Reach Distance	3.5 m / 2.2 m, option 5 m / 3.7 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 Authentication	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 °C to +50 °C	
Storage Temperature	-40 °C to +80 °C	
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 / 450 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	
Certificate	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} at 22 kW	
Protections	RCD Type B	
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.



Delta Electronics (Netherlands) BV

Zandsteen 15, 2132 MZ Hoofddorp,
The Netherlands
TEL : +31 20 655-0900
E-mail : evcs.emea@deltaww.com

emobility.delta-emea.com

Delta Electronics Inc.

3 Tungyuan Road, Chungli Industrial Zone,
Taoyuan City 32063, Taiwan
TEL : +886 3 4526107
E-mail : evcs@deltaww.com

