

# UFC 200

## EV CHARGING STATION

Up to 4x AC & DC charging outlets  
50kW • 100kW • 150kW •  
200kW



In partnership with

**ROLEC**EV

STOCKED IN THE UK BY ROLEC



Unit shown: **UFC 200**  
4in1 ULTRAFAST CHARGING STATION  
Available in 50kW, 100kW, 150kW & 200kW versions

The **UFC 200** charging station is one of the most advanced, professionally engineered and future-proof ultrafast DC charging stations in the world.

This ultrafast charger is upgradable from the entry level 50kW unit in modules of 12.5kW all the way up to 200kW without ever having to change or modify the station itself.

Each station can offer up to 4x AC and DC charging outlet combinations, and charge up to 4x vehicles simultaneously.

The **UFC 200** has a number of charge activation settings, comprising Free-to-Charge and Pay-to-Charge solutions, including smartphone, RFID card/fob (Back Office Managed) with the option to add a contactless payment terminal.

## PRODUCT FEATURES

- Offers both AC & DC charging
- Can offer up to 4x DC/AC charging outputs for simultaneous charging
- Up to 200kW charging speeds
- Supplied in any kW format & upgraded to higher levels in the future
- Mix & match the DC & AC outputs to suit requirements
- DC charges in CHAdeMO and/or CCS Combo
- AC charges in 3.6kW, 7.2kW, 11kW, and 22kW
- **OCPP 1.6 compliant** (Can integrate with any back office)
- EMC Certified & Harmonics Compliant
- 7" colour customer interface display screen
- Built-in RFID reader
- Optional contactless payment terminal



OCPP 1.6  
Compliant



CHAdeMO Rapid  
DC Connector



CCS Rapid  
DC Connector



43kW Type 2  
AC Connector



IP Rated &  
UV Stabilised



IK10 Impact  
Rating

## Chargepoint Management

Can be programmed to operate via the Rolec VENDELECTRIC back office management system.



See the VENDELECTRIC Overview for details

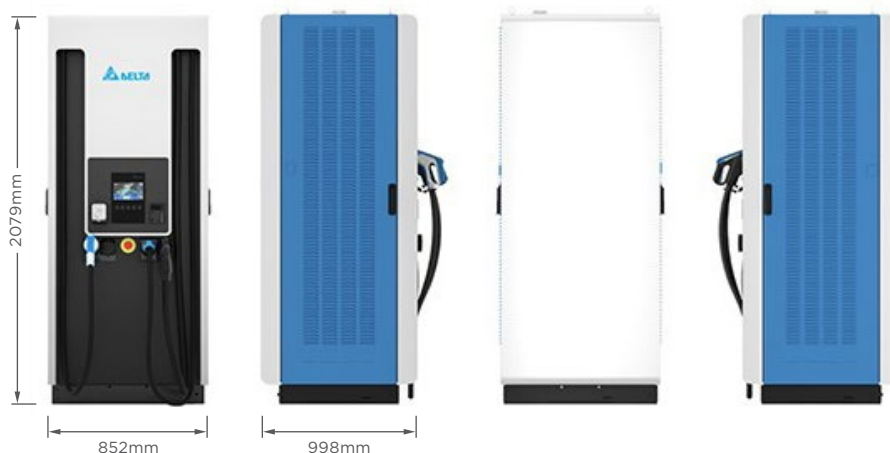
# SPECIFICATIONS

## TECHNICAL DATA

| Input                            |                                                                                                                                                 |                                                    |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| AC Connection                    | 3-Phase, L1, L2, L3, N, PE                                                                                                                      |                                                    |
| AC Voltage                       | 400 V <sub>RMS</sub> (L- L) ± 10 %                                                                                                              |                                                    |
| Frequency                        | 50 / 60 Hz                                                                                                                                      |                                                    |
| Nominal Current                  | 410 A <sub>RMS</sub> 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 <sub>DC</sub>                                                                                                                     |                                                    |
| Maximum Current                  | 500 A <sub>DC</sub> at 400V <sub>DC</sub> / 250A DC at 800 V <sub>DC</sub>                                                                      |                                                    |
| Maximum power                    | 200 kW <sub>DC</sub>                                                                                                                            |                                                    |
| 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<br>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 <sub>DC</sub>                                                                                                                              | 125A <sub>DC</sub> / 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 <sub>RMS</sub>                                                                                                                            |                                                    |
| At 22 kW AC socket               | 3 x 32 A <sub>RMS</sub> 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.



## SPECIFICATIONS

### CONNECTOR TYPES & CHARGING CABLES

#### DC Connectors:



*CHAdeMO plug, 125 A*



*CCS plug, 200 A or 400 A*

#### AC Connectors:



*AC plug Type 2, 32 A*



*AC socket Type 2, 32 A*

#### Length of charging cables

Standard length: 3.5m = 2.2m operating radius

Special length: 5m = 3.7m operating radius



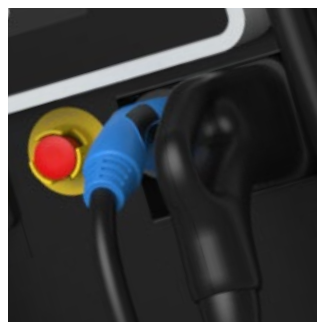
# SPECIFICATIONS

## PRODUCT OVERVIEW

| Product Code | Description                                                | Additional Info                                                                              | DC Powerbank Split |
|--------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------|
| EVDC0230     | UFC 50kW DC + 44kW AC 4in1 (CCS2+CHA+AC 22kW+22kW Socket)  | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable + AC 22kW Type 2 Socket | 25/25kW            |
| EVDC0231     | UFC 50kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW)              | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable                         | 25/25kW            |
| EVDC0232     | UFC 50kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW Socket)       | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Socket                                 | 25/25kW            |
| EVDC0233     | UFC 50kW DC 2in1 (CCS2+CHA)                                | CCS2 400A, CHAdeMO 125A, 200-1000VDC                                                         | 25/25kW            |
| EVDC0234     | UFC 50kW DC 2in1 (CCS2+CCS2)                               | CCS2 400A, CCS2 400A, 200-1000VDC                                                            | 25/25kW            |
| EVDC0250     | UFC 100kW DC + 44kW AC 4in1 (CCS2+CHA+AC 22kW+22kW Socket) | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable + AC 22kW Type 2 Socket | 50/50kW            |
| EVDC0251     | UFC 100kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW)             | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable                         | 50/50kW            |
| EVDC0252     | UFC 100kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW Socket)      | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Socket                                 | 50/50kW            |
| EVDC0253     | UFC 100kW DC 2in1 (CCS2+CHA)                               | CCS2 400A, CHAdeMO 125A, 200-1000VDC                                                         | 50/50kW            |
| EVDC0254     | UFC 100kW DC 2in1 (CCS2+CCS2)                              | CCS2 400A, CCS2 400A, 200-1000VDC                                                            | 50/50kW            |
| EVDC0270     | UFC 150kW DC + 44kW AC 4in1 (CCS2+CHA+AC 22kW+22kW Socket) | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable + AC 22kW Type 2 Socket | 75/75kW            |
| EVDC0271     | UFC 150kW DC +22kW AC 3in1 (CCS2+CHA+AC 22kW)              | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable                         | 75/75kW            |
| EVDC0272     | UFC 150kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW Socket)      | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Socket                                 | 75/75kW            |
| EVDC0273     | UFC 150kW 2in1 (CCS2+CHA)                                  | CCS2 400A, CHAdeMO 125A, 200-1000VDC                                                         | 75/75kW            |
| EVDC0274     | UFC 150kW 2in1 (CCS2+CCS2)                                 | CCS2 400A, CCS2 400A, 200-1000VDC                                                            | 75/75kW            |
| EVDC0290     | UFC 200kW DC + 44kW AC 4in1 (CCS2+CHA+AC 22kW+22kW Socket) | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable + AC 22kW Type 2 Socket | 100/100kW          |
| EVDC0291     | UFC 200kW DC +22kW AC 3in1 (CCS2+CHA+AC 22kW)              | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Tethered Cable                         | 100/100kW          |
| EVDC0292     | UFC 200kW DC + 22kW AC 3in1 (CCS2+CHA+AC 22kW Socket)      | CCS2 400A, CHAdeMO 125A, 200-1000VDC + AC 22kW Type 2 Socket                                 | 100/100kW          |
| EVDC0293     | UFC 200kW 2in1 (CCS2+CHA)                                  | CCS2 400A, CHAdeMO 125A, 200-1000VDC                                                         | 100/100kW          |
| EVDC0294     | UFC 200kW 2in1 (CCS2+CCS2)                                 | CCS2 400A, CCS2 400A, 200-1000VDC                                                            | 100/100kW          |

## OPTIONS & ACCESSORIES

- Add Payter Contactless Payment Terminal
- Extended reach cables available
- Add Emergency Stop
- Corporate branding (colours, logo badge, etc.)



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EVDCUFGD-V04-R0 DC Ultrafast UFC EV - Data Sheet