

DC ULTRAFAST⁺ CHARGING STATION

50kW/75kW/100kW/125kW/150kW

Future-Proof & Upgradable



in partnership with
ROLEC EV

STOCKED IN THE UK BY ROLEC



The **DC ULTRAFAST⁺ (UFC)** 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 25kW all the way up to 150kW without ever having to change or modify the station itself.

Each station can offer up to 6 x AC and DC charging outlet combinations, and charge up to 4 x vehicles simultaneously.

PRODUCT FEATURES

- Future-proof modular design
- Offers both AC & DC charging
- Can offer up to 6 x DC/AC charging outputs
- Can charge up to 4 x vehicles simultaneously
- Can be supplied in 50kW, 75kW, 100kW, 125kW and 150kW formats
- Can be supplied in any kW format and upgraded to higher levels in the future
- Customer can mix & match the DC and AC outputs to suit their own requirements
- DC charges in CHAdeMO and/or CCS Combo
- AC charges in 3.6kW, 7.2kW, 11kW, 22kW and 43kW
- OCPP (1.6) back-office integration
- EMC Certified & Harmonics Compliant
- 7" colour customer interface display screen
- Optional RFID customer authentication interface
- CE certified



CHAdeMO Rapid
DC Connector



CCS Rapid
DC Connector



43kW Type 2
AC Connector



RFID Key Fob/Card
Operated



Open Charge
Point Protocol



EMC
Certified



Conforms to
IEC 61851-1



IP55 Weather Proof
& UV Stabilised



IK10 Impact
Resistant



Nationwide Installation
& Maintenance



Branding
Options



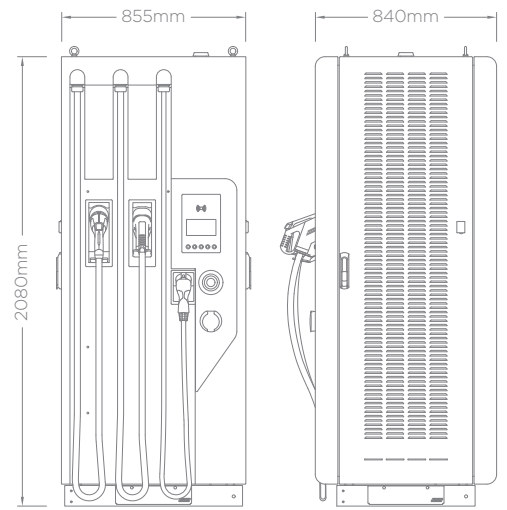
CE
Certified

Unit shown: DC ULTRAFAST CHARGING STATION (UFC)
Available in 50kW, 75kW, 100kW, 125kW & 150kW versions

SPECIFICATIONS

PHYSICAL

Dimensions	855mm x 2080mm x 840mm (W x H x D)
Standard Body Colour	White with blue side panels (Optional branding available)
Cabinet Material	Powder coated galvanised steel
Weight	400kg (Approx)



ELECTRICAL

1. Input

AC connection	3L + N + PE
AC voltage	400 V _{RMS} (L-L) +/- 10 %
Frequency	50 / 60 Hz
Current nominal	312 A _{RMS} @ 150 kW _{DC} + 65 kW _{AC} charge
Power factor	0.99
Mains terminal	Terminal blocks 3L + N + PE
Transient OVP	Class II/C protection

2. DC charge points – CCS & CHAdeMO

DC output voltage range	170 - 500 V _{DC}
Maximum charge current	300 A _{DC}
Maximum charge power	150 kW _{DC}
Cable / access length	3.5 m / 2.5 m
Protections	Overcurrent circuit breaker Short circuit protection Overvoltage protection Low-voltage protection Isolation monitoring Earth monitoring

3. DC charge point – CCS

Compliance	IEC 61851-23 / -24 IEC 62196-3 DIN 70121
Rating cable & gun	200 A _{DC} / 850 V _{DC}

4. DC charge point – CHAdeMO

Compliance	IEC 61851-23 / -24 JEVS G 105 Rev. 1.0.1 compliant
Rating cable & gun	125 A _{DC} / 500 V _{DC}

5. AC charge points

Compliance	IEC 61851-22
AC plug 43 kW charge point	IEC 62196-2 Mode 3, Type 2
AC socket 22 kW charge pt	IEC 62196-2 Mode 3, Type 2
Nominal AC voltage	400 V _{RMS}
Maximum charge current / power	3 x 63 A _{RMS} @ 43 kW point 3 x 32 A _{RMS} @ 22 kW point
Cable / access length	3.5 m / 2.5 m
Protections	RCD Type B Overcurrent circuit breaker Earth monitoring

6. User interface

Display	7" color display
Keypad	5 buttons – backlight
Local authentication	RFID reader

7. Connectivity

Connectivity	Fixline: Ethernet Wireless: GPRS / 3G modem
Back office interface	OCPP 1.5

8. General

Protection	IP 55
Enclosure protection	IK 10
Efficiency rectifier	94 %
Ambient temperature	- 25 to +45 °C
Relative humidity	95 % max, non cond.
Compliance & safety	IEC 61851-1
EMC	IEC 61851-21-2 EN 61000-6-1 / -2 / -4

Subject to change without notice.



OPTIONS & ACCESSORIES

- RFID Card / Fobs
- Load Manager system (electrical distribution management)
- Corporate branding (colours, logo badge, etc.)
- Protection barriers
- Charge point signage

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