



ROLEC

ULTRACHARGE 40

Intelligent rapid EV charging station



Stocked in
the UK by
ROLEC

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Intelligent rapid EV charging station

An intelligent and cost-effective charger, the ULTRACHARGE 40 is an ideal DC charging station for businesses that require an efficient rapid EV charging solution for their customers and/or fleet.

Offering up to 40kW charging speeds, the ULTRACHARGE 40 makes for a powerful, yet low investment DC charging solution. The compact and robust design also maximises space limitations, whilst still easy to install, maintain and service.

Offering convenient charging times for every EV. Charging can be activated via plug & charge, mobile app, or RFID. A contactless payment terminal option is also available.

Available in 1way or 2way versions, with a cable management system as standard, and a 10.1" HD user interface screen, the ULTRACHARGE 40 is easy-to-use for all and meets PAS 1899 accessible standards.



Product features

- Plug & charge, mobile app, or RFID controlled charging
- Choose from 1x or 2x DC charging output(s)
- Up to 40kW charging speeds
- OCPP 1.6 compliant, OCPP 2.0.1 (future) – integrates with any CPMS
- Over-the-air firmware and software updates
- Built-in 30mA Type A RCD protection
- Supports static and dynamic load management
- 10.1" HD user interface screen
- 4G / Wi-Fi / Ethernet connectivity
- $\geq 96\%$ (Single outlet) / $\geq 94.5\%$ (Dual outlet)
- Ultrawide power output voltage range 150V – 1000V
- Under/overvoltage, DC overcurrent, over-temp & surge protection
- 5m 150A rated charging cable(s) capable of delivering 40kW (133A) charge rate to a standard 400V vehicle
- Cable management system as standard
- Optional 7m cable(s) also available
- Optional RFID / NFC / contactless card payment terminal
- Optional mounting pedestal available
- Conforms with PAS 1899 accessible charging standard
- Strong and durable IP54 / IK10 rated



OCPP 1.6 compliant (OCPP 2.0.1 future)

Ability to integrate with any OCPP compliant chargepoint management system and app.



Easy to operate

Quick and simple ways to operate; plug & charge, app, RFID card/fob, or optional contactless payment.



Low investment DC charging solution

Easy to install and maintain with its modular design ensuring reliability and reduced maintenance.



Always connected

Complete with secure 4G, Wi-Fi and Ethernet connectivity, ensuring chargers are always online 24/7.



Branding & colour options available

Rolec offers a bespoke chargepoint branding service; from logos & brand colours, to vinyl wraps.



DC Rapid charging connectors

Up to 40kW CCS2 DC charging output, adding up to 30 miles in just 15 minutes.

The details

UP TO 40KW

Offering up to 40kW charging speeds, and a stable and convenient charging experience for users. The ULTRACHARGE 40 is a cost-effective DC rapid charging solution.

Single or dual 5m 150A rated CCS2 charging cables.

MAXIMISE YOUR ROI

150V-1000V power output segment, improves the power utilisation ratio of the DC charger, speeding up charging times and maximising revenue.

Delivers up to 10-80% charge in under 1 hour.

POWER SHARING

The ULTRACHARGE 40 features cutting-edge intelligent dynamic power sharing, automatically adjusting power distribution based on each vehicle's needs.

Perfect for sites where two vehicles need to charge simultaneously.

SAFE AND SECURE

Packed with protection features including; under/overvoltage, DC overcurrent, over-temperature & surge protection.

Over-the-air updates allow the chargers to receive the very latest features, ensuring a safe and future-proof product 24/7.

WIDE OUTPUT RANGE

Ultra wide output voltage range 150V-1000V.

Not only can it meet the low-voltage charging needs of conventional EVs, but also meet the requirements for charging larger commercial vehicles such as HGVs, buses and boats.



Specifications

Product Overview

Station Level	Connection Type	Power Allocation	Input Current	Input Power	Unit Colour	Product Code
40kW DC	1x CCS2	1x 40kW	62A	43kVA	Grey	ROLEC04040
40kW DC	2x CCS2	1x 40kW 2x 20kW*	62A	43kVA	Grey	ROLEC040240

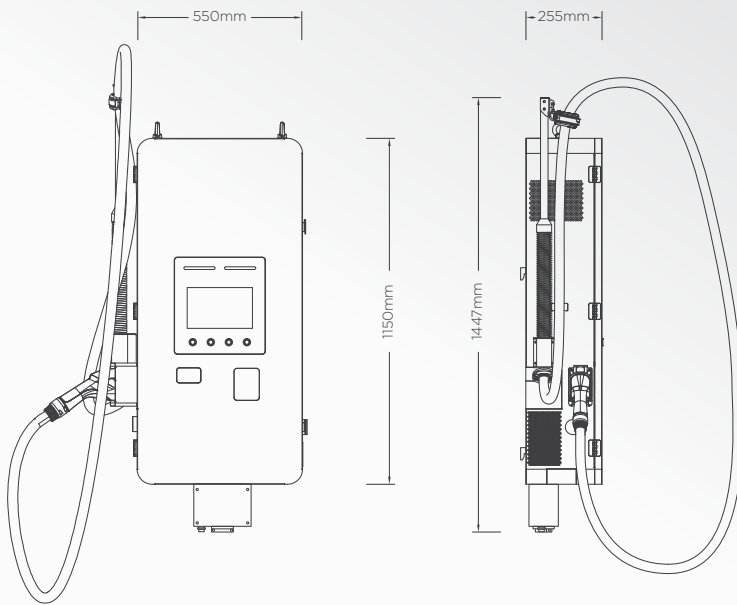
*When 2 vehicles are charging simultaneously



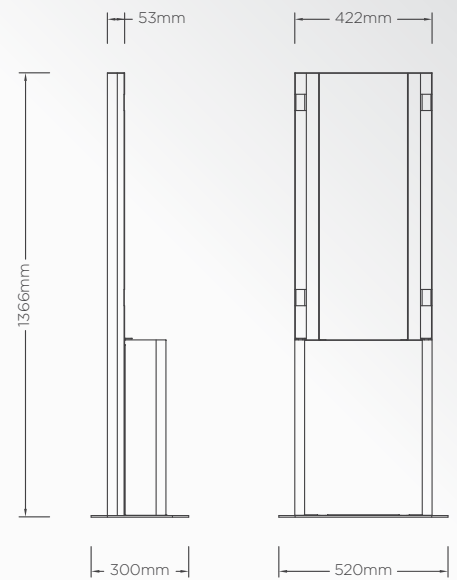
Specifications

Unit Dimensions

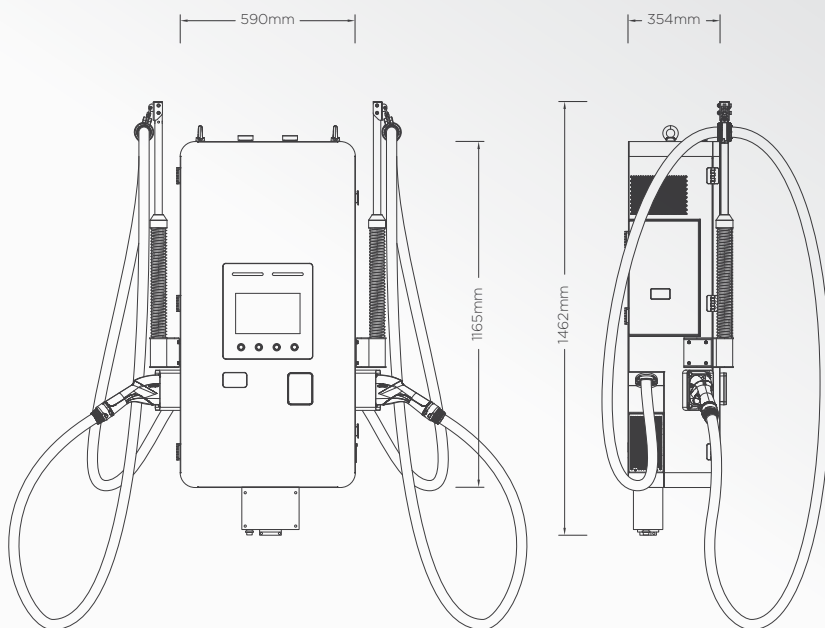
UltraCharge 40 single unit:



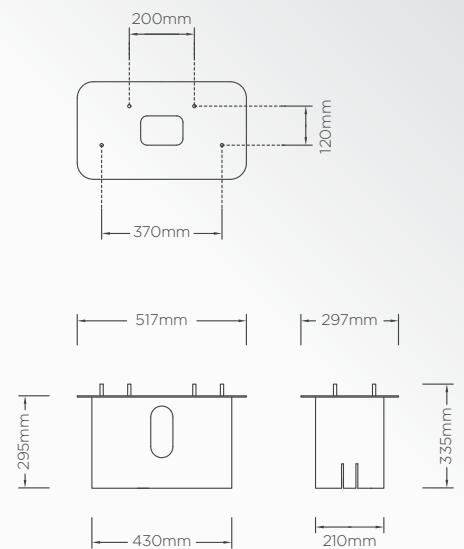
UltraCharge 40 pedestal:



UltraCharge 40 dual unit:



Ground mounting base for pedestal:



Specifications

Technical Data

User Interface	10.1" LCD display - RFID reader (ISO/IEC 14443A: MIFARE Classic EV1) - Optional NFC contactless card payment terminal - Plug & charge (ISO 15118-2) - RGB LED status indicator - Supported Languages – English, French, German, Italian, Spanish (other languages available on request)
Charge Protocol	Mode 4 (IEC 61851-23)
Protection	30mA Type A RCD - Undervoltage & overvoltage protection - DC overcurrent protection - Over temperature protection - Surge protection device - Emergency stop button - Flood and smoke detection - Relay welding detection - Supports static and dynamic load management (software configurable) (may require additional hardware)
Input	- AC Input Voltage – 400V AC (+/-10%) - Input Frequency – 50-60 Hz - Input Type – 3P + N + PE - Power Factor – ≥0.98 - THDi – <5% at normal power - Grounding type – TN-C-S, TN-S, TT - Overvoltage Category – OVC III, DIN EN 60664-1
Output	- Connector Options – CCS2 (other configurations available on request) - DC Output Voltage Range – 150-1000Vdc - Maximum Output Current – 133A - Rated Power – DC: Up to 40kW - Connector Rate Current – 150A - Peak Efficiency – ≥96% (Single outlet) / ≥94.5% (Dual outlet) - Cable Length – 5m (extended 7m cables also available)
Communications	4G GSM (built-in nano SIM(s), subscription required) - Wi-Fi 802.11 b/g/n 2.4 GHz - RJ45 Ethernet connection - OCPP 1.6J - OCPP 2.0.1 (future)
Dimensions (W x H x D)	- Single output cabinet – 550mm x 1150mm x 255mm (including pedestal – 550mm x 1700mm x 360mm) - Dual output cabinet – 590mm x 1165mm x 309mm (including pedestal – 590mm x 1700mm x 413.5mm)
Weight	< 100kg (single) / < 116.2kg (dual)
Environmental	- Ingress Protection – IP54 - Enclosure Protection – Impact IK10, Corrosion resistance C3 - Screen Protection – IK08 - Operating Temperature – -30°C to +50°C - Humidity – 5%-95% - Cooling Method – Forced air cooled - Maximum Noise Level – <65 dB on Full Load (2m / 25 °C)
Materials	- Body – Stainless steel 304 - Finish – All-weather powder-coated finish
Unit Colour	 Grey  Other colours and branding options are available upon request
Certifications & Compliances	- EV Charging Compliance – EN 61851, IEC 62196, DIN 70121, IEC 61000, ISO 15118-2 - ENA Database - Accessibility – PAS 1899 accessible charging standard - Payter Payment Device (where fitted) – CE, FCC, RoHS, WEEE, REACH, EMVCo, PCI-PTS 6.x, TQM, MasterCard, VISA, American Express, Discover, Diners^P - Certifications – CE, UKCA, TUV
Use Life	10 years
Warranty	2 years (extended warranty available upon request)



Options & accessories

Product Code	Item Description
EVAD8000	Add contactless payment terminal & router
EVFP4080	UltraCharge 40 mounting pedestal
GMUC4080	Pedestal galvanised steel ground mounting base
EVAD40807	Upgrade to 7m 250A peak / 150A nominal cable (per cable)
RFID0010	RFID card
RFID0020	RFID fob
EVCB0020	Root mount protection barrier - 48mm
EVCB0040	Surface mount protection barrier - 48mm
EVPS0015	EV parking sign - A4 landscape (Other sizes are available)
ACSR0525	Perific Max Fuse Protection Device with 3x 900A up to 36mm ² current sensors
ACSR0535	Perific Max Fuse Protection Device with 3x 900A up to 100mm ² current sensors
ACSR0545	Perific Max LAN accessory input kit
COMM5000	Factory configuration & pre-commissioning service (per unit)
Contact Rolec	CHAdEMO outlet models available



Branding & colour options available

Rolec offer a bespoke chargepoint branding service; from logos & brand colours, to vinyl wraps. This can be arranged at time of order. Contact ROLEC for details.

Brand names, logos and trademarks used herein remain the property of their respective owners. This listing of any firm or their logos is not intended to imply any endorsement or direct affiliation with Rolec Services Ltd. and is purely to demonstrate branding opportunities.

Chargepoint management & operation



Integrated with over 45 CPMS partners around the globe

Approved CMS partners:

- Monta
- wattif
- Fuuse
- VIRTA
- CLENERGY EV
- drivz
- AMPECO
- greenflux
- CURRENT
- ArtofEnergy
- connekt
- Spirii
- ROAM
- NOR+HE
- STUART
- wevo
- ChargePanel
- MOBILITY 46
- RE&GO
- + many more



Chargepoint operators

ROLEC EV chargepoints boast an array of intelligent features. When combined with any approved OCPP compliant chargepoint management system (CPMS), chargepoint operators will have the ability to deploy and self-manage their own public and/or private EV charging network. Ideal for workplace, fleet, commercial and residential locations.

-  Businesses can easily manage their network of chargepoints
-  Conveniently set chargers to be private or publicly accessible
-  Offer pay-to-charge solutions and benefit from generating additional revenue
-  Set custom & flexible tariffs for different customer or charger groups
-  Access advanced features including dynamic load management (DLM)
-  Users can operate chargepoints via mobile app, RFID, contactless payment (model dependent), or a remote contactless payment terminal (contact ROLEC for more information about the TAP & CHARGE solution)
-  24/7 support for users and operators of the chargepoints



NEED ADVICE?

Speak to a member of the team to find the right solution for you



Chargepoint users

Take full control of your EV charging experience and maximise the intelligent features of the chargepoint management system.

-  Locate and navigate using the chargepoint map
-  Easily initiate and pay for charges
-  Real-time information to maximize your charging experience
-  Access to benefits and rewards for EV drivers
-  24/7 support for help when you need it most



Please Note: All chargepoint management and operation features are subject to the specified CPMS



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EVUC40D-V02-R2 UltraCharge 40 Data Sheet



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