DATA SHEET

ROLEC

ULTRACHARGE 80

Intelligent rapid EV charging station

Stocked in the UK by ROLEC

ULTRACHARGE 80

Intelligent rapid EV charging station

An intelligent and cost-effective charger, the ULTRACHARGE 80 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 80kW charging speeds, the ULTRACHARGE 80 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 with the ability to charge two vehicles simultaneously. Charging can be activated via either mobile app, RFID. A contactless payment terminal option is also available. With a cable management system as standard, and a 10.1" HD user interface screen, the ULTRACHARGE 80 is easy-to-use for all and meets PAS 1899 accessible standards.

Product features

- Plug & go, mobile app, or RFID controlled charging
- Offers 2x DC charging outputs
- Up to 80kW charging speeds
- OCPP 1.6 compliant, OCPP 2.0.1 (future) – integrates with any CPMS
- Over-the-air firmware and software
- Built-in 30mA Type A RCD protection
- Intelligent dynamic power sharing
- Supports static and dynamic load management
- 10.1" HD user interface screen
- 4G / Wi-Fi / Ethernet connectivity
- ≥ 96% Peak efficiency
- Ultrawide power output voltage range 150V – 1000V
- Under/overvoltage, DC overcurrent, over-temp & surge protection
- 5m 250A Peak and 150A Nominal charging cables capable of delivering 80kW charge rate to a standard 400V vehicle
- Cable management system as standard
- Optional 7m cables also available
- Optional RFID / NFC / contactless card payment terminal
- 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 & go, 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 80kW CCS2 DC charging output, adding up to 60 miles in just 15 minutes.

The details

UP TO
80KW

Offering up to 80kW charging speeds, and a stable and convenient charging experience for users. The ULTRACHARGE 80 is a cost-effective DC rapid charging solution.

Dual 5m 250A Peak and 150A Nominal CCS2 charging cables.

MAXIMISE YOUR
ROI

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

Delivers up to 80% charge in under 30 minutes.

POWER
SHARING

The ULTRACHARGE 80 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
80kW DC	2x CCS2	1x 80kW 2x 40kW*	127A	88kVA	Grey	ROLEC08080

*When 2 vehicles are charging simultaneously

Flexible configuration

All units can be configured to a lower output to meet site power limitations. When power output is reduced, the unit's dynamic power sharing will automatically adjust accordingly. For example:

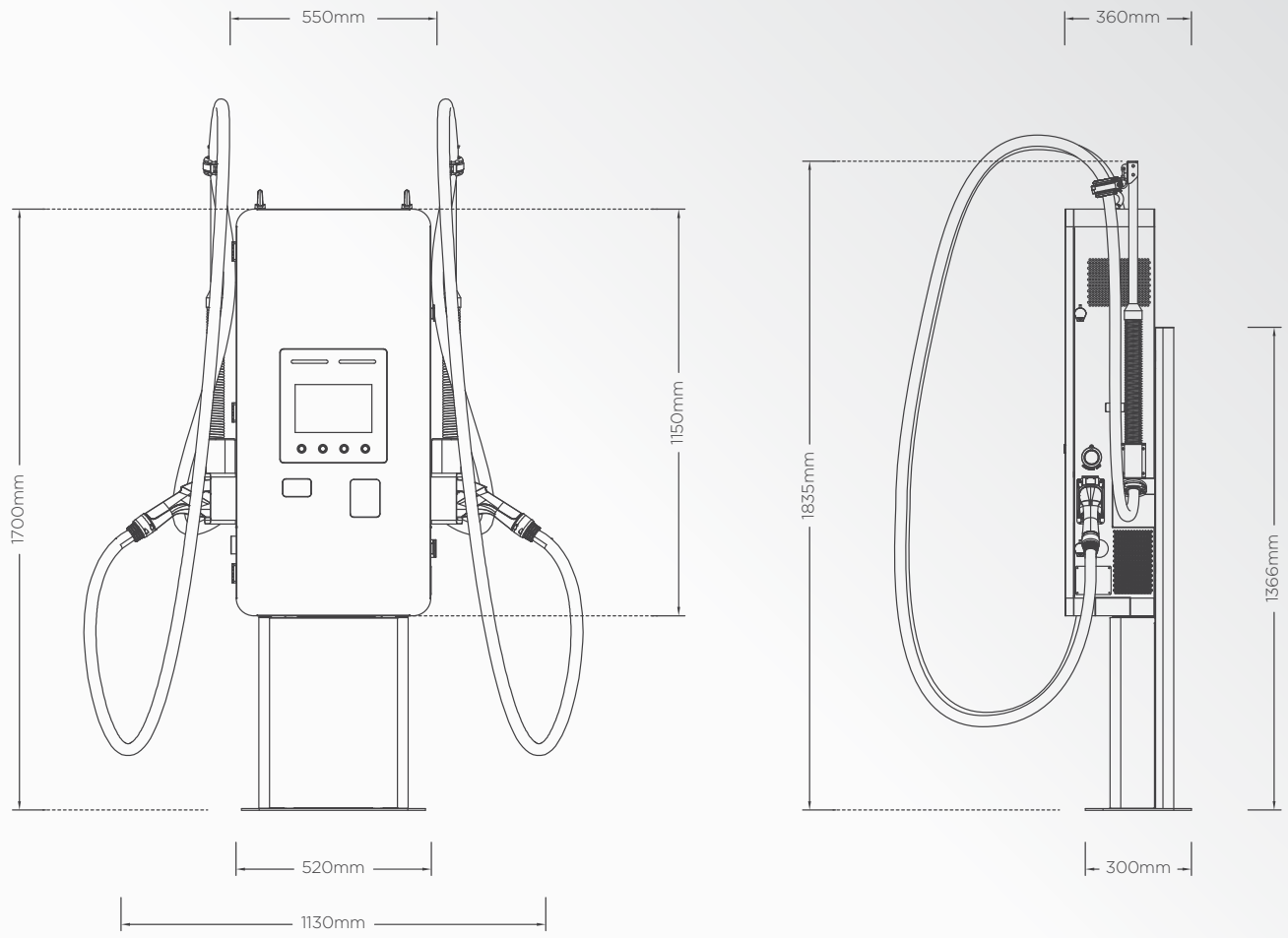
Model	Power Allocation
80kW model configured to 60kW	1x 60kW 2x 30kW*

*When 2 vehicles are charging simultaneously

Specifications

Unit Dimensions

UltraCharge 80:



Specifications

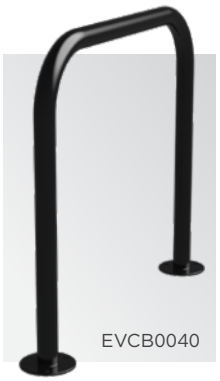
Technical Data

User Interface	• 10.1" LCD display • RFID reader (ISO/IEC 14443A: MIFARE Classic EV1) • Optional NFC contactless card payment terminal • 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 • Advanced dynamic power balancing • 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 – ≥0.99 • THDi – <5% at normal power • Grounding type – TN, 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 – 250A • Rated Power – DC: Up to 80kW • Connector Rate Current – 150A • Peak Efficiency – ≥96% • Cable Length – 5m (extended 7m cables also available)
Communications	• 4G GSM (built-in nano SIM(s), subscription required) • Wi-Fi • RJ45 Ethernet connection • OCPP 1.6J • OCPP2.0.1 (future)
Dimensions	Cabinet – 550mm x 1150mm x 255mm (W x H x D) Including pedestal – 550mm x 1700mm x 300mm (W x H x D)
Weight	< 125kg (model dependent)
Environmental	• Ingress Protection – IP54 • Enclosure Protection – IK10 • Screen Protection – IK08 • Operating Temperature – -30°C to +50°C • Humidity – 5%-95% • Cooling Method – Air cooled • Maximum Noise Level – <65 dB on Full Load (2m / 25 °C)
Materials	• Body – Stainless steel • 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 • 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. Optional Eichrecht (from October 2025)
Use Life	10 years
Warranty	2 years (extended warranty available upon request)

Options & accessories

Product Code	Item Description
EVAD8000	Add contactless payment terminal (inc. router)
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
EVPS0010	EV parking sign – A4 landscape (Other sizes are available)
ACSR0525	Perific Max Fuse Protection Device with 3x 900A up to 36mm² Current Sensors
ACSR0535	Perific Max Fuse Protection Device with 3x 900A up to 100mm² Current Sensors
COMM5000	Factory configuration & pre-commissioning service (per unit)
Contact Rolec	CHAdeMO outlet models available

EVAD8000


EVCB0040

EVPS0010

RFID0020

GMUC4080

ACSR0535

EVAD40807

Branding & colour options available

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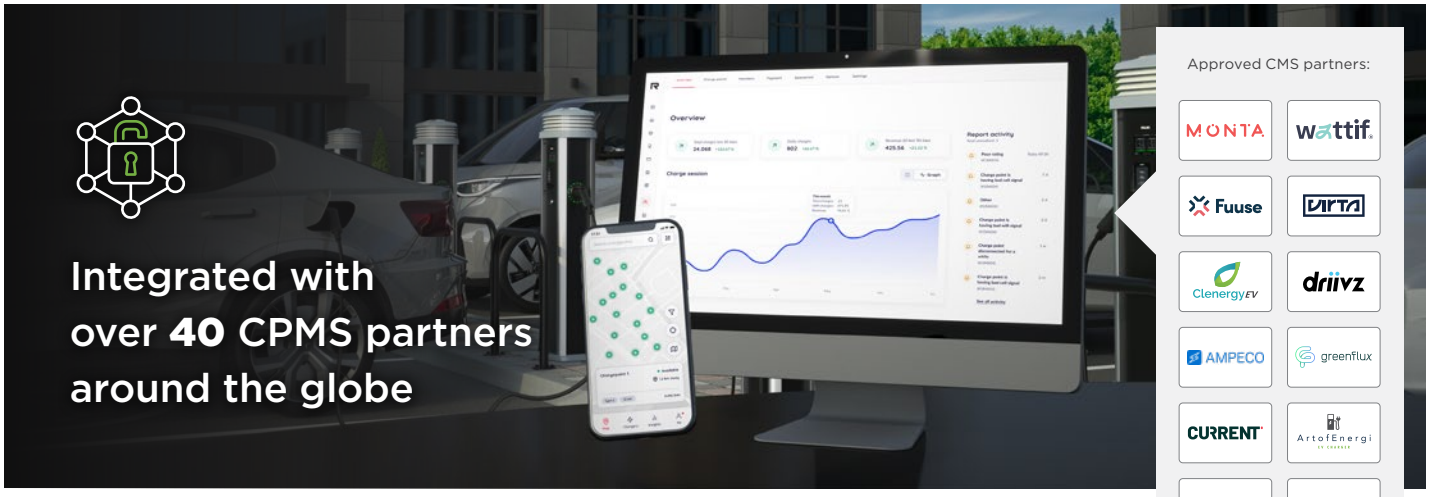
Chargepoint management & operation



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

THIS DOCUMENT CONTAINS INFORMATION THAT IS SUBJECT TO CHANGE WITHOUT NOTICE.

The latest version of this publication can be downloaded at www.rolecserv.com/downloads-ev-charging

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EVUC80D-V01-R0 UltraCharge 80 Data Sheet

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