



ROLECEV | SINEXCEL

ULTRACHARGE 80

Intelligent rapid EV charging station



Stocked in
the UK by
ROLECEV

ULTRACHARGE 80

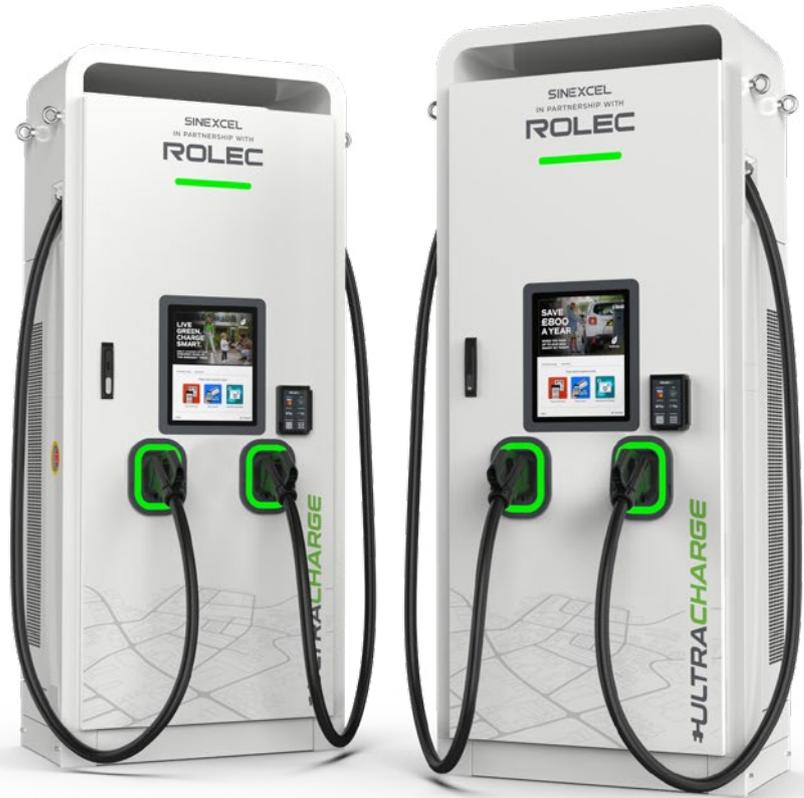
Intelligent rapid EV charging station

With its small footprint and robust design, the ULTRACHARGE 80 is a cost-effective DC rapid charging station. This intelligent, modular, and scalable charger has the ability to be upgraded from 60kW to 80kW in the future with the simple addition of an extra 20kW power module. It's the ideal solution for businesses, fleets, and public locations with limited available space.

This high powered and advanced charger is available in either 60kW or 80kW standard power configurations.

Offering convenient charging times for every EV with the ability to charge two vehicles simultaneously. Charging can be activated via either plug & charge, mobile app, RFID or contactless payment.

Designed with installers and chargepoint owner / operators in mind, these chargers are easy to install, maintain and service.



Product features

- Plug & charge, app, RFID controlled charging
- Offers 1x or 2x DC charging outputs
- Up to 80kW charging speeds
- Upgradeable power modules
- OCPP 1.6 compliant (can integrate with any back-office)
- Over-the-air firmware / software updates
- Intelligent dynamic power sharing
- Supports static load management
- 15" HD user interface touch screen
- 4G / Ethernet connectivity
- 96% Peak efficiency
- Ultrawide constant power output voltage range 300V - 1000V
- Under/overvoltage, DC overcurrent, over-temp & surge protection
- 5m 200A rated charging cables (4.5m external) capable of delivering 80kW charge rate to a standard 400V vehicle
- Optional 7m cables also available (6.5m external)
- Optional cable management system
- Optional RFID / NFC / contactless card payment terminal
- Conforms with the PAS 1899 accessible charging standard
- IP55, IK10 protection rating

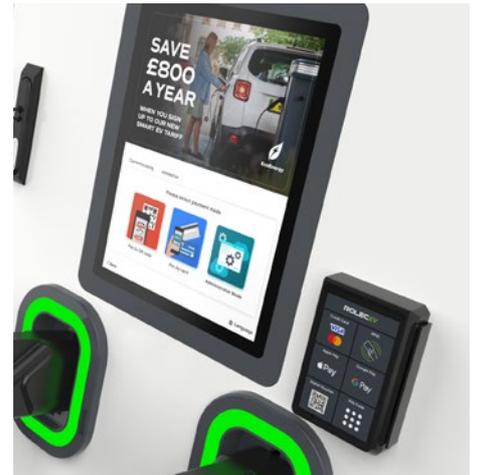
Powered by
MONTA

Other preferred back-office and mobile app partners:

Fuuse

wattif

ChargePlace Scotland
electric vehicle charging



OCPP 1.6 compliant

Ability to integrate with any OCPP compliant back-office management system and app.



Easy to operate

Four quick and easy ways to operate: contactless, mobile app, RFID cards and fobs or plug & charge.



Reliable & scalable EV charging solution

Offers world-class quality and reliability through field-proven infrastructure solutions.



4G and Ethernet enabled

Complete with secure 4G 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 charging connectors. Alternative configurations are available.

The details

UP TO 80KW

60kW or 80kW power configurations, flexible power distribution and dual CCS2 connector models which can automatically switch the power according to the vehicle.

MAXIMISE YOUR ROI

300V-1000V continuous power dual 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 boasts the most advanced functionality for intelligent dynamic power sharing. Ideal for sites which require two vehicles to charge simultaneously, providing up to 40kW to each vehicle.



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 200V-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 and buses.

Specifications

Product Overview:

Station Level	Connection Type	Power Allocation	Input Current	Input Power	Unit Colour	Product Code
60kW DC	1x CCS2	1x 60kW	112A	67kVA	○ White	EVDC5000
	2x CCS2	1x 60kW 1x 40kW / 20kW*	112A	67kVA	○ White	EVDC5020
80kW DC	1x CCS2	1x 80kW	150A	89kVA	○ White	EVDC5010
	2x CCS2	1x 80kW 2x 40kW*	150A	89kVA	○ White	EVDC5030

*When 2 vehicles are charging simultaneously
Other chargepoint configurations available, please contact Rolec for more information

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
60kW model configured to 50kW	1x 50kW 1x 30kW / 1x 20kW*

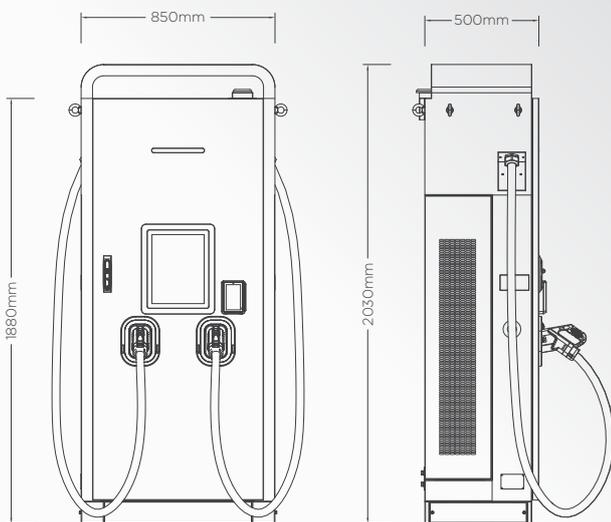
*When 2 vehicles are charging simultaneously

Easily upgradeable

20kW power modules for future scalability.



UltraCharge 80:



Specifications

Technical Data:

User Interface	<ul style="list-style-type: none"> • 15 inch HD touchscreen display • RFID reader (ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare 1) • Optional NFC contactless card payment terminal • Plug & charge (ISO 15118) • RGB LED status indicator • Supported Languages - English (supports customising of other languages, available on request)
Charge Protocol	Mode 4 (IEC 61851-1)
Protection	<ul style="list-style-type: none"> • Undervoltage & overvoltage protection • DC overcurrent protection • Over temperature protection • Surge protection device • Emergency stop button • Optional tilt, flood and smoke detection • Advanced dynamic power balancing • Supports static load management (software configurable)
Input	<ul style="list-style-type: none"> • AC Input Voltage - 400V \pm 10 % • Input Frequency - 50 / 60 Hz • Input Type - 3P + N + PE • Power Factor - 0.99 • THDi - <5% • Grounding type - TT, TN-S
Output	<ul style="list-style-type: none"> • Connector Options - CCS2 (other configurations available on request) • DC Output Voltage Range - 200 to 1000 VDC (300 to 1000 VDC is the output voltage of constant power output) • Maximum Output Current - 200A • Rated Power - DC: Up to 80kW (model dependent) • Peak Efficiency - 96% • Cable Length - 5m (4.5m exposed from the charger) (extended 7m cables also available)
Communications	<ul style="list-style-type: none"> • 4G • RJ45 Ethernet connection • OCPP 1.6J
Dimensions	850mm x 2030mm x 500mm (W x H x D)
Weight	< 350kg (model dependant)
Environmental	<ul style="list-style-type: none"> • Ingress Protection - IP55 • Enclosure Protection - IK10 • Operational Altitude - <2000 m • Operating Temperature - -25 °C to +65 °C • Temperature Derating - Up to 50 °C: 100% output power, 50-65 °C interval, linear power limit, 65 °C or more, module shutdown protection • Storage Temperature Range - -30 °C to +70 °C • Humidity - 5%-95% relative humidity, non-condensing • Cooling Method - Air cooled
Materials	<ul style="list-style-type: none"> • Body - Stainless steel • Finish - all-weather powder-coated finish
Unit Colour	<input type="radio"/> White  Other colours and branding options are available upon request
Certifications & Compliances	<ul style="list-style-type: none"> • EV Charging Compliance - EN 61851, IEC 62196, DIN 70121, ISO 15118 Plug & Charge, PAS 1899:2022 • EMC Compliance - Class A (industrial) • Certifications - CE, UKCA, TUV, TR25, RCM
Warranty	2 years (extended warranty available upon request)



Chargepoint management



Monta's chargepoint management platform provides businesses and organisations with the ability to deploy and self-manage their very own electric vehicle charging network. Ideal for workplace, fleet, commercial and residential locations.

-  Full & automated control of your chargepoints
-  Unlock additional revenue streams
-  Set chargepoints for public and/or private use
-  Set different pricing for individual chargepoints & groups
-  Dynamic pricing allows operators to set pricing in line with their hour-by-hour energy cost
-  Fully scalable solution; add or remove chargepoints & users
-  Complete fleet management solutions with analytical feedback & reporting
-  Reduce charging costs and CO₂ with Smart Charge feature
-  Vehicle integration provides visibility of battery size, SOC, percentage & location etc.
-  Automatically reimburse employees' home charging
-  Smart queuing system that sends notifications to drivers when they become available
-  Over-the-air updates and self-healing algorithms ensure charger stability & availability
-  Static, Dynamic or True Dynamic load balancing options
-  EV Roaming feature, allowing chargepoints to be available on other apps

Charge point settings
Set charge point to public

Private Public

Other preferred back-office partners:

 Fuuse

 wattif

 ChargePlace Scotland
electric vehicle charging

[+ many more](#)

Reserve charge point
Book charge points at a time that suits you the best!

[Reserve](#)

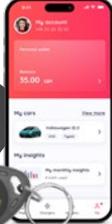
Easy payment for your employees

Charge revenue

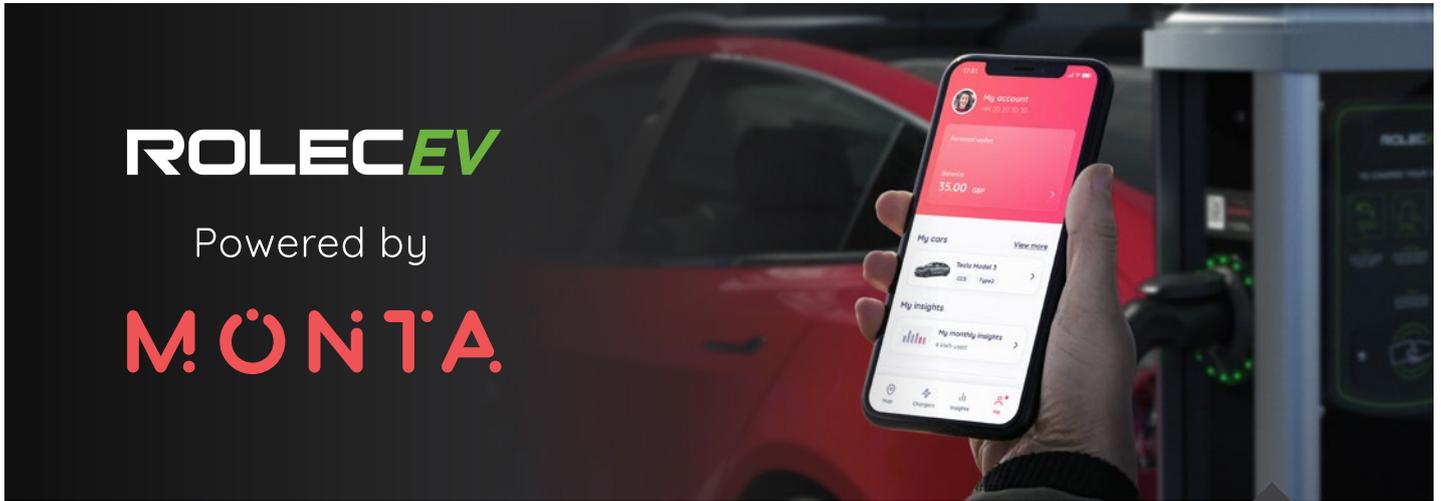
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▶ For more information about Monta's chargepoint management solutions and pricing, see the Powered by Monta Overview Sheet

Chargepoint operation



Charge your EV on your terms. With Monta you have full control over your charging experience, at home or on the road.

- Easily locate and navigate using the chargepoint map
- Remotely control your home EV charging
- Choose your ready time and choose to prioritise lower costs, lower CO₂ or only using renewable energy
- Schedule charges so your car is ready when you are
- Integrate with most EV manufacturer apps and cars
- Real-time information on your car and battery levels to maximize your charging experience
- Share and give charging access to friends, family and guests
- Set your home charger for public use with custom pricing
- Access to over 550,000 public chargepoints across Europe
- Easily initiate charging and complete payments via credit card, Apple Pay, Google Pay or Monta Wallet
- 24/7 online chat or email support for help when you need it most

The Monta app is 100% free with no subscription cost when charging at home

Other preferred mobile app partners:

- Fuuse
- wattif
- ChargePlace Scotland electric vehicle charging
- ev.energy



DOWNLOAD THE APP



RFID activation

Great for quick activation, RFID cards or key fobs are easily accessible and add for a much simpler charging experience, which can also be used alongside the mobile app.



▶ For more details about the Monta solution for EV drivers and the Monta app, please visit www.monta.com/uk/home-charging



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

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

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EVUC8D-V01-R1 UltraCharge 80 Data Sheet



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