ROLEC**EV** | **SINEXCEL**

ULTRACHARGE 240

Intelligent ultra-rapid EV charging station
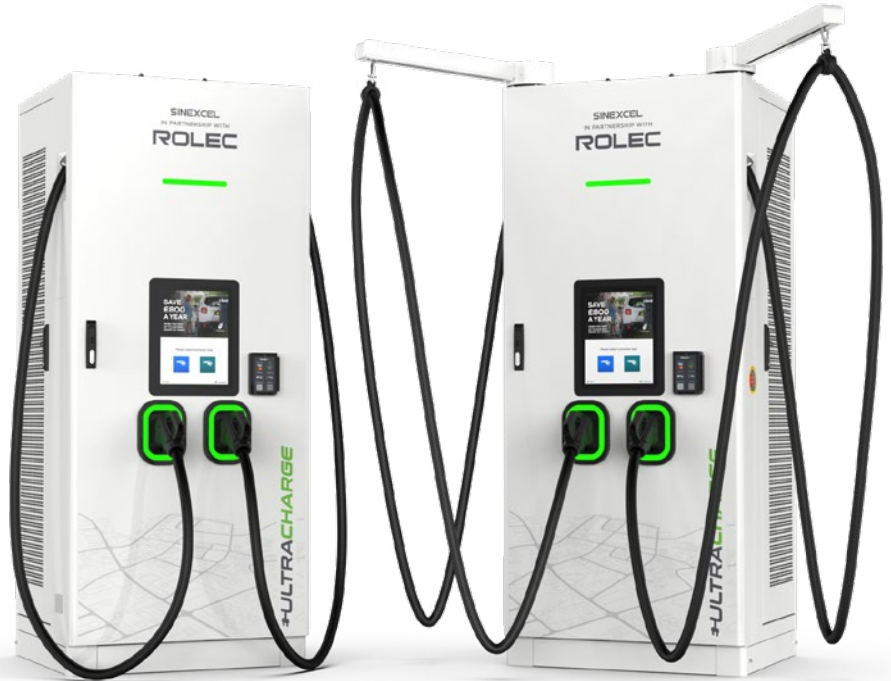
**ROLEC*EV*

ULTRACHARGE 240

Intelligent ultra-rapid EV charging station

Introducing our latest DC ultra-rapid charging station, UltraCharge 240. This intelligent modular and scalable charger has the ability to be upgraded in modules of 20kW, all the way up to 240kW, making it the perfect futureproof and cost-effective solution for public, fleet and highway infrastructure deployment.

This high powered, advanced and robust charger is available in three standard power configurations; choose from 160kW, 200kW or 240kW.

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, or RFID controlled charging
- Offers 2x DC charging outputs
- Up to 240kW 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 350A rated charging cables (4.5m external) with 400A boost feature, capable of delivering 160kW 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
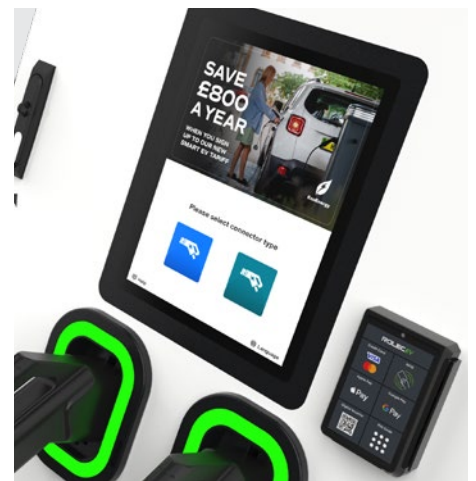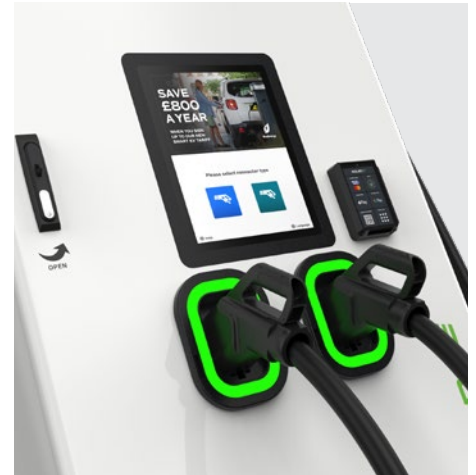- IP55, IK10 protection rating

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.

Dual Rapid charging connectors

Up to 240kW CCS2 DC charging output, adding up to 185miles in just 15 minutes.

The details

UP TO
240KW

A variety of power configurations from 160kW to 240kW, flexible power distribution and dual 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 15 minutes.

POWER
SHARING

The ULTRACHARGE 240 boasts the most advanced functionality for intelligent dynamic power sharing. Ideal for sites which require two vehicles 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 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
200kW DC	2x CCS2	1x 200kW 2x 100kW*	377A	220kVA	◯ White	EVDC6020
240kW DC	2x CCS2	1x 240kW 2x 120kW*	450A	263kVA	◯ White	EVDC6030

*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:

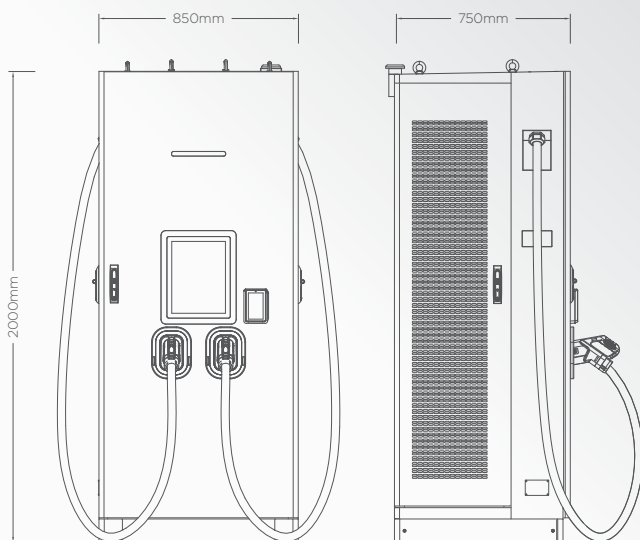| Model	Power Allocation
240kW model configured to 220kW	1x 220kW 1x 120kW / 1x 100kW*

*When 2 vehicles are charging simultaneously

Easily upgradeable

20kW power modules for future scalability.

UltraCharge 240:

850mm

750mm

2000mm

ROLECEV

Specifications

Technical Data:		6

User Interface
- 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
- Undervoltage & overvoltage protection
- DC overcurrent protection
- Over temperature protection
- Surge protection device
- Emergency stop button
- Advanced dynamic power balancing
- Supports static load management (software configurable)

Input
- AC Input Voltage – 400V ± 10 %
- Input Frequency – 50 / 60 Hz
- Input Type – 3P + N + PE
- Input Current – 444A
- Input Power – 263kVA
- Power Factor – 0.99
- THDi – <5%
- Grounding type – TT, TN-S

Output
- 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 – 350A with 400A boost feature
- Rated Power – DC: Up to 240kW (model dependent)
- Peak Efficiency - 96%
- Cable Length - 5m (4.5m exposed from the charger) (extended 7m cables also available)

Communications
- 4G
- RJ45 Ethernet connection
- OCPP 1.6J

Dimensions
850mm x 2000mm x 750mm (W x H x D)

Weight
< 500kg (model dependant)

Environmental
- Ingress Protection – IP55
- Enclosure Protection – IK10
- Operational Altitude – <2000 m
- Operating Temperature – -25 ºC to +50 ºC (full power)
- Temperature Derating – Up to 50 ºC: 100% output power, 50-65 ºC: interval, linear power limit, 65 ºC or more: module shutdown protection
- Storage Temperature Range – -30 ºC to +70 ºC
- Humidity – 5%-95% relative humidity, non-condensing
- Cooling Method– Air cooled

Materials
- Body – stainless steel
- Finish – all-weather powder-coated finish

Unit Colour
○ White   🔴 Other colours and branding options are available upon request

Certifications & Compliances
- 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 mark, RCM

UKCA CE

Warranty
2 years (extended warranty available upon request)

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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