Designed &
Manufactured
in the UK

ROLEC

HEX

Intelligent EV charging pedestal

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Engineered for demanding environments, the HEX pedestal features a robust steel enclosure and delivers up to 22kW charging to 4 vehicles simultaneously. The quad outlet model is perfect for centrally located bays, minimising groundworks and streamlining installation. Ideal for workplace, commercial, and public car parks.

Effortless integration with any OCPP chargepoint management system, this unit is an ideal plug-and-go or pay-to-charge solution. Offering a seamless charging experience for EV drivers via an app, RFID card/fob, or optional contactless payment. Additionally, an optional 5″ LCD screen displays real-time charging status.

Feature-rich, this EV charger supports dynamic load balancing and is equipped with PME fault detection to reduce installation costs. Available in 2way or 4way versions.

Product features

- Plug & go, app, contactless payment (model dependent), or RFID controlled charging
- Choose from 2x or 4x universal charging sockets
- Up to 7.4kW or 22kW charging outputs
- PME fault detection (no earth rod required)
- Supports dynamic load balancing & static load management
- OCPP 1.6 compliant (integrates with any chargepoint management system)
- Over-the-air firmware / software updates
- Built-in AC overload & fault current protection (RCBO)
- Built-in 6mA DC leakage protection
- Dual tamper and breach security notifications
- Lockable access doors
- 5″ LCD Screen (model dependent)
- Cable lock security feature (can be permanently locked by owner)
- LED amenity down lighting (Photocell controlled)
- MID-approved energy metering
- 4G / Wi-Fi / Ethernet connectivity
- Conforms with PAS 1899 accessible charging standard
- Strong and durable IP54 / IK10 rated
- Surface or root mountable
- OZEV grant fundable (UK only)
- Designed & manufactured in the UK

OCPP 1.6 compliant

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

Easy to operate

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

Funding options available

Speak to us about flexible EV infrastructure investment opportunities.

4G / Wi-Fi / Ethernet enabled

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.

No earth rod required

Equipped with built-in PME fault detection, saving installation time and costs.

The details

LCD

SCREEN

The 5″ LCD screen, protected by a tempered glass front, provides clear step-by-step charging instructions, real-time charging status, and live MID meter readings for each outlet. Support contact information is also conveniently displayed at the bottom of the screen.

GO

GO

CONTACTLESS

The market-leading integrated contactless payment terminal offers EV drivers a hassle-free tap-and-charge experience. Perfect for public locations.

LEARN MORE

UP TO

22kW

Available in both single phase and three phase models, providing up to 22kW superfast charging.

HEX is compatible with all EVs & PHEVs, charging at the fastest speed possible, ensuring vehicles are ready to go in no time.

4 WAY
CHARGING

The HEX is available in 2way and 4way versions, allowing up to four vehicles to charge simultaneously, using just one EV charging pedestal.

The perfect EV charging pedestal solution for fleet, workplace and public car park requirements.

ACCURATE

BILLING

Built-in MID-approved energy metering ensures accurate consumption reporting, which is essential for businesses and residential car parks, wishing to bill for their usage. Use our back-office management platform to generate revenue by setting your own tariffs.

The details

Model Variations

	HEX with LCD screen(s) & contactless payment terminal	HEX with LCD screen(s)	HEX with contactless payment terminal	HEX with standard features
Plug & go operation	✓	✓	✓	✓
Mobile app operation	✓	✓	✓	✓
RFID card/fob operation	✓	✓	✓	✓
Contactless payment terminal	✓		✓	
5" LCD screen(s)	✓	✓		
Lockable access doors	✓	✓	✓	✓
Charging speeds (Max. kW)	7.4 | 22	7.4 | 22	7.4 | 22	7.4 | 22
No. of charging outputs	2x | 4x	2x | 4x	2x | 4x	2x | 4x
Colour options	● 🌈	● 🌈	● 🌈	● 🌈
Product codes	ROLEC3621B ROLEC3623B ROLEC3641B ROLEC3643B	ROLEC2621B ROLEC2623B ROLEC2641B ROLEC2643B	ROLEC1621B ROLEC1623B ROLEC1641B ROLEC1643B	ROLEC0621B ROLEC0623B ROLEC0641B ROLEC0643B

Specifications

Product Overview

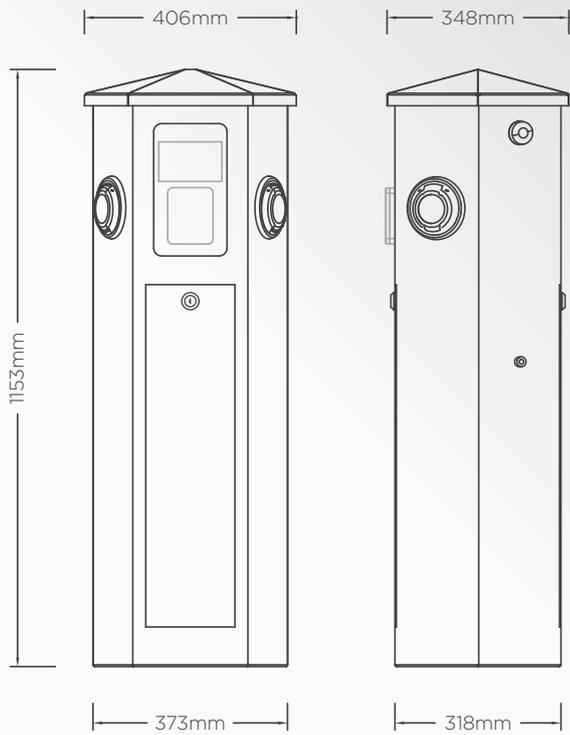|	Connection Type	Charging Output	Input Supply	Unit Colour	Additional Features	Product Code
Single Phase Units	2x Universal charging sockets	Up to 7.4kW (32A) per socket	1x Up to 63A Single Phase* 230V AC (±10 %) 50/60Hz	● Black	LCD screen & contactless payment terminal	ROLEC3621B
					LCD screen	ROLEC2621B
					Contactless payment terminal	ROLEC1621B
					None	ROLEC0621B
	4x Universal charging sockets	Up to 7.4kW (32A) per socket	2x Up to 63A Single Phase* 230V AC (±10 %) 50/60Hz	● Black	2x LCD screens & contactless payment terminal	ROLEC3641B
					2x LCD screens	ROLEC2641B
					Contactless payment terminal	ROLEC1641B
					None	ROLEC0641B
Three Phase Units	2x Universal charging sockets	Up to 22kW (32A) per socket	1x Up to 63A Three Phase* 400V AC (±10 %) 50/60Hz	● Black	LCD screen & contactless payment terminal	ROLEC3623B
					LCD screen	ROLEC2623B
					Contactless payment terminal	ROLEC1623B
					None	ROLEC0623B
	4x Universal charging sockets	Up to 22kW (32A) per socket	2x Up to 63A Three Phase* 400V AC (±10 %) 50/60Hz	● Black	2x LCD screens & contactless payment terminal	ROLEC3643B
					2x LCD screens	ROLEC2643B
					Contactless payment terminal	ROLEC1643B
					None	ROLEC0643B

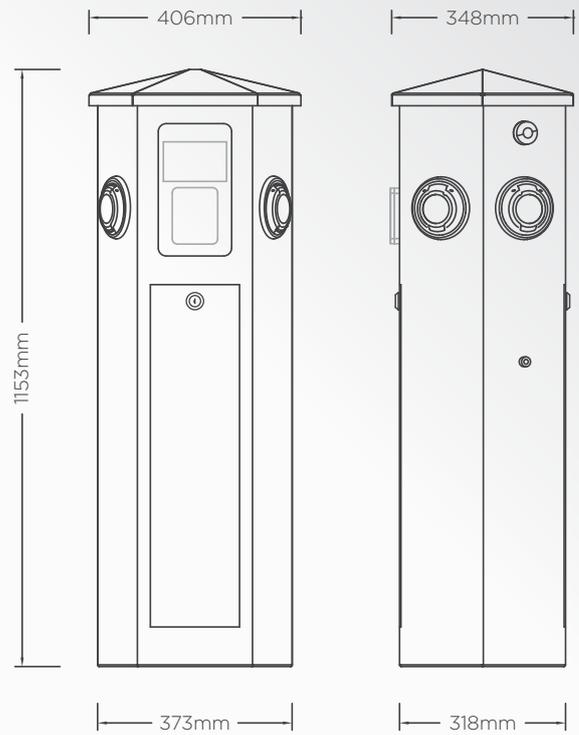*Should supply be limited, chargepoint(s) can be configured to any output (min. 6A)

Specifications

Unit Dimensions

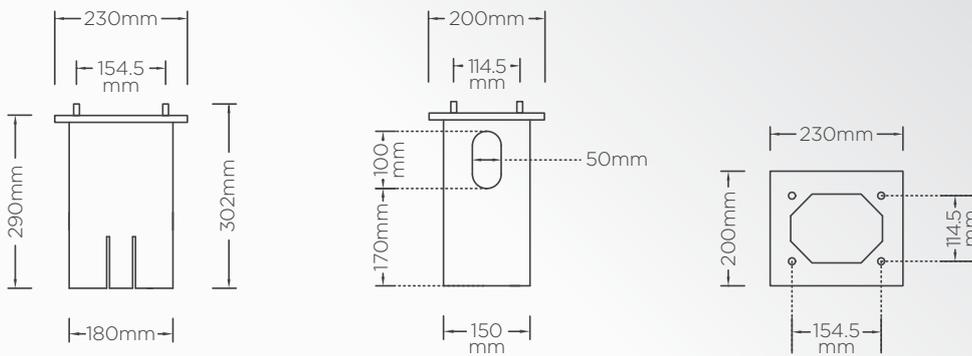### Hex dual unit:

406mm
348mm
1153mm
373mm
318mm

Hex quad unit:

406mm
348mm
1153mm
373mm
318mm

Ground mounting base:

230mm
154.5 mm
290mm
302mm
180mm

200mm
114.5 mm
170mm
100 mm
50mm
150 mm

230mm
200mm
114.5 mm
154.5 mm

ROLEC

Specifications

Technical Data	
User Interface	• Mobile app • Contactless card payment terminal (EMVCo. L1 v3.0 Certified) (model dependent) • RFID reader (ISO14443 A & B (T=CL), Desfire EV2/3 & Mifare Classic protocols) • NFC (ISO18092) • 5″ LCD display screen (model dependent) • RFID reader(s) (MIFARE ISO/IEC 14443 A) (model dependent) • Plug & go • RGB LED status indicator halo(s) – configurable
Charge Protocol	Mode 3 (IEC 61851-1)
Built-in Protection	• AC overload & fault current protection – 40A 30mA Type A RCBO (per socket) • DC fault protection – 6mA • Lightning surge, over temperature protection • PME fault detection – No earth electrode/rod required • Supports automatic dynamic load balancing (may require additional hardware) • Supports static load management (software configurable)
Required External Protection	• Over current protection – A suitably rated MCB or Type-A 30mA device is to be installed at source (dependent on cable type and/or route) • Surge Protection – May be required depending on the installation
Cable Terminals	• Single Phase – 2way models - 3x 50mm 1P + N + E / 4way models - 2x [3x 50mm] 1P + N + E • Three Phase – 2way models - 5x 50mm 3P + N + E / 4way models - 2x [5x 50mm] 3P + N + E

Communications	• 4G LTE Cat-1 (built-in nano SIM(s), subscription required)
	    • LTE FDD: B1/B3/B5/B7/B8/B20/B28
	    • GSM: B2/B3/B5/B8
	• Wi-Fi 802.11 b/g/n 2.4 GHz (2412-2472 MHz / 2422-2462 MHz)
	• NFC 13.56 MHz
	• RJ45 Ethernet connection (2x connections on 4way models)
	• Bluetooth Low Energy (BLE 4.1) 2402-2480 MHz (for installer configuration purposes)
	• OCPP 1.6J
	• Cyber security – Data encryption level TLS 1.2

Energy Metering	Integrated Class 1 MID compliant metering
Amenity Lighting	• 360° Low energy LED • Rating – 11.5W 506Lumen Linear LED Strip, 24V DC • Colour temperature – 6500K • Protection – 6A 30mA Type A RCBO
Standby Power Consumption	• Charging circuits – < 7.5W (per socket) • Panel heater – 8W • Lighting – 13.8W • LCD display screen(s) - < 3W (per screen where fitted) • Contactless card payment terminal – 18W (where fitted)
Dimensions	406mm x 1153mm x 348mm (W x H x D)
Weight	< 41kg (model dependent)
Environmental	• Ingress protection – Enclosure IP54, Socket IP54 • Impact protection – IK10 • Security – Dual tamper and breach notifications • Operating temperature – -30°C to +50°C • Operating humidity – 5% to 95%
Materials	• Body – Heavy duty 1.5mm Steel applied with 45–55 microns of Zinc primer • Finish – Corrosive resistant, textured Polyester powder coating • Fascia – Tempered glass
Unit Colour	● Black 🌈 Other colours available upon request
Certifications & Compliances	• EV Charging Compliance – EN 61851-1:2019, EN 61851-22:2002 • Smart Charge Points – (SI 2021/1467) • Wiring Regulations – BS 7671:2018+A2:2022 • EMC Compliance – EN 61000-6-3:2007+A1:2011, EN 61000-6-2:2005, 2014/30 /EU, SI 2016/1091, (EN 301 489-1 V1.9.2, EN 301 489-3 V2.1.1, EN 301 489-17 V1.3.1, EN 301 489-19 V2.1.1, EN 301 489-52 v1.1.0)[P] • Safety Compliance (LVD) – EN 62368-1:2014, 2014/35/EU, SI 2016/1101, EN 60950-22:2006[P] • Communications / RED – EN 62311:2008, 2014/53/EU, SI 2017/1206, EN 300 330 V2.1.1 (2017-02), EN 301 908-1 V15.1.1 (2021-09), EN 301 908-13 V13.2.1 (2022-02), EN 301 511 V12.5.1 (2017-03), EN 300 328 V2.2.2 (2019-07), EN 300 440 V2.2.1 (2018-07), (EN 301 908-2 V13.1.1, EN 303 413 V1.1.1)[P] • Environmental Protection – BS EN 60529:1992+A2:2013 • Impact Rating – BS EN 62262:2002+A1:2021 • Metering – 2014/32/EU, SI 2016/1153 • Accessibility – PAS 1899 accessible charging standard • RoHS – 2011/65/EU, SI 2012/3032 • REACH – 1907/2006, REACH etc. (Amendment) Regulations 2021 • Payter Payment Device – CE, FCC, RoHS, WEEE , REACH, EMVCo, PCI-PTS 6.x, TQM, MasterCard, VISA, American Express, Discover, Diners [P] • Certifications – CE & UKCA UK CA CE
Warranty	3 years

[P] Payment Terminal Additional Compliances – where fitted

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Options & accessories

Product Code	Item Description
RFID0010	RFID card
RFID0020	RFID fob
GMHP0010	Ground mounting base for Hex pedestal
EVCB0020	Root mount protection barrier – 48mm
EVCB0040	Surface mount protection barrier – 48mm
EVPS0015	EV parking sign – A4 landscape
	(Other sizes are available)
ROLEC5000	TAP & CHARGE remote payment terminal
EVPP0100	5m 32A Type 2 to Type 2 charging cable
EVPP0107	10m 32A Type 2 to Type 2 charging cable
EVPP0105	5m 32A Three Phase Type 2 to Type 2 charging cable
EVPP0108	10m 32A Three Phase Type 2 to Type 2 charging cable
	(Other cables are available, including Type 1 options)
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
ACSR0545	Perific Max LAN accessory input kit
ACSR0125-F	100A up to 35mm² screened CT clamp with 10m cable & connector

GMHP0010

RFID0020 EVCB0040

ACSR0535 ACSR0525

ACSR0545 EVPP0100

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.

TAP & CHARGE
Remote payment terminal

Hassle-free transactions across multiple EV chargers. Ideal solution for commercial and public locations.

ROLEC5000

ROLEC

Chargepoint management & operation

Integrated with over **45** CPMS partners around the globe

Approved CMS partners:

Monta | wattif. | Fuuse | VIRTA | CLENERGY EV | driivz | AMPECO | greenflux | CURRENT | ArtofEnergi | connekt | Spirii | ROAM | NORHE | 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

Designed &
Manufactured
in the UK

ROLEC

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