



Designed &
Manufactured
in the UK

ROLEC

HEX

Intelligent EV charging pedestal

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The HEX is 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 socket(s)
- Up to 7.4kW or 22kW charging output(s)
- PME fault detection (no earth rod required)
- Supports dynamic load balancing & static load management
- OCPP 1.6 compliant (integrates with any CPMS)
- 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 door(s)
- 5" LCD Screen (model dependant)
- 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 roof 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

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.

SAFE AND SECURE

Rest assured, ROLEC's entire EV chargepoint range is fully UK Smart Charge Point Regulation compliant.

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

3 YEAR WARRANTY

ROLEC EV chargepoints are designed, developed and manufactured in the UK and come with a 3 year warranty included as standard, for added peace of mind on your investment.



The details

Model Variations



HEX with
LCD screen &
contactless payment
terminal

HEX with
LCD screen

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	✓	✓		
Lockable access door(s)	✓	✓	✓	✓
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

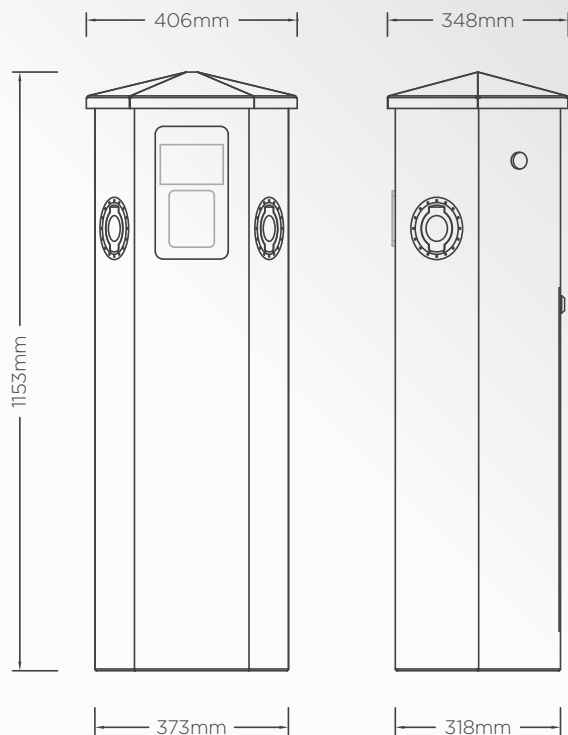
	Connection Type	Charging Output	Input Supply	Unit Colour	Additional Features	Product Code
Single Phase Units	2x Universal charging sockets	Up to 7.4kW (32A) per socket	1x Up to 63A Single Phase* 230V AC (±10 %) 50/60Hz	● Black	LCD screen & contactless payment terminal	ROLEC3621B
					LCD screen	ROLEC2621B
					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)

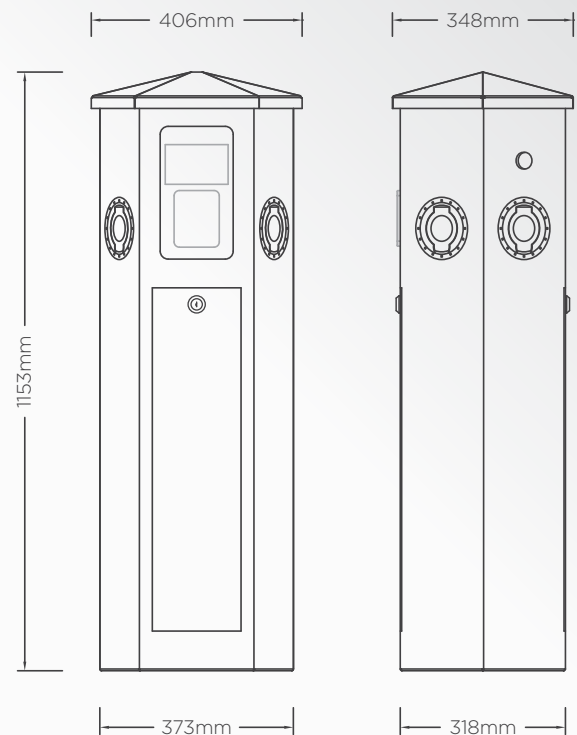
Specifications

Unit Dimensions

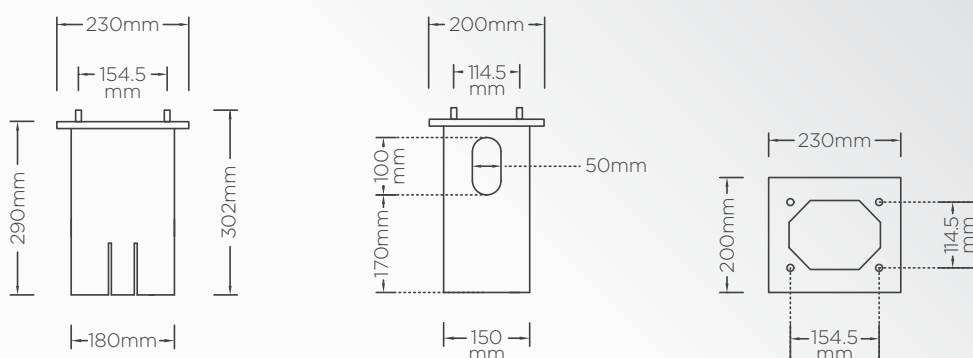
Hex 2way unit:



Hex 4way unit:





Ground mounting base:



Specifications

Technical Data

User Interface	<ul style="list-style-type: none"> • Mobile app • Contactless card payment terminal (EMVCo. L1 v3.0 Certified) (model dependant) • RFID reader (ISO14443 A & B (T=CL), Desfire EV2/3 & Mifare Classic protocols) • NFC (ISO18092) • 5" LCD display screen (model dependant) • RFID reader(s) (MIFARE ISO/IEC 14443 A) (model dependant) • Plug & go • RGB LED status indicator halo(s) - configurable
Charge Protocol	Mode 3 (IEC 61851-1)
Protection	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 4G LTE Cat-1 (built-in nano SIM(s), subscription required) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Rating - 10W 230Lumen Linear LED Strip, 24V DC • Colour temperature - 6500K • Protection - 6A 30mA Type A RCBO
Standby Power Consumption	<ul style="list-style-type: none"> • Charging circuits - < 7.5W (per socket) • Panel heater - 8W • Lighting - 12W • 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	< 45kg (model dependant)
Environmental	<ul style="list-style-type: none"> • Ingress protection - Enclosure IP66, Socket IP54 • Impact protection - IK10 • Security - Dual tamper and breach notifications • Operating temperature - -30°C to +50°C • Operating humidity - 5% to 95%
Materials	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
Warranty	3 years



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
EVPS0010	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 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
ACSR0125-F	100A up to 35mm ² screened CT clamp with 10m cable & connector



GMHP0010



EVCB0040



ACSR0535



RFID0020



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.



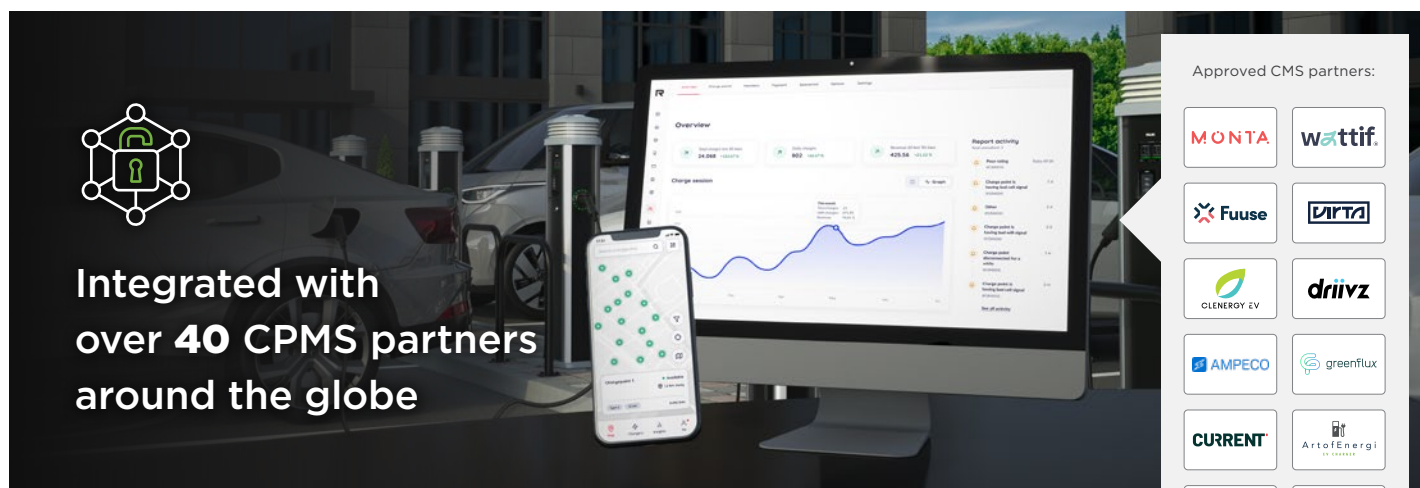
TAP & CHARGE Remote payment terminal

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

ROLEC5000

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Chargepoint management & operation



Integrated with over 40 CPMS partners around the globe








Approved CMS partners:

MONTA	wattif
Fuuse	VIRTA
CLENERGY EV	drivvz
AMPECO	greenflux
CURRENT	ArtotEnergi
connekt	Spirii
ROAM	NOR+HE
STUART ENERGY	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 method (chargepoint model dependent), and 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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EVHD-V01-R0 Hex Data Sheet



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