

ROLECEV

BASICCHARGE

Intelligent EV charging pedestal

Manufactured in the UK

BASICCHARGE

Intelligent EV charging pedestal



The BASICCHARGE is a simplistic and affordable EV charging pedestal. This versatile charger's integrated LED amenity lighting also provides greater visibility of the charging bays and surrounding areas.

This future-proof OCPP compliant pedestal can offer a simple plug & charge or pay-to-charge solution via the EV driver's smartphone and/or RFID card/fob through any chosen OCPP back-office management system.

Feature-rich, this EV charger supports dynamic load balancing and is equipped with PME fault detection, so there is no requirement for an earth rod, reducing installation costs.

Available in 1way or 2way versions, providing up to 22kW superfast charging.



Product features

- Plug & charge, mobile app or RFID controlled charging
- Choose from 1x or 2x 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 (can integrate with any back-office)
- 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
- Cable lock security feature (can be permanently locked by user)
- Integrated RFID reader
- LED amenity lighting head (Photocell controlled)
- MID-approved energy metering
- 4G / Wi-Fi / Ethernet connectivity
- IK10 impact resistant design
- Surface or root mountable
- OZEV grant fundable
- Designed & manufactured in the UK

Rolec EV's chargepoint management platform:

VendElectric

Other preferred app & back-office partners:

MONTA

ev.energy

Fuuse

ChargePlace Scotland
electric vehicle charging

Electric Miles





OCPP 1.6 compliant

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

Easy to operate

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

Office for Zero Emission Vehicles

Eligible for grant funding

This range is approved for grant funding via the OZEV Workplace Charging Scheme (WCS).

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 TruePEN 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.

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



2 WAY
CHARGING

The BASICCHARGE is available in 1way and 2way versions, allowing up to two vehicles to charge simultaneously, using just one EV charging pedestal.

The perfect EV charging pedestal solution for fleet, workplace and private 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

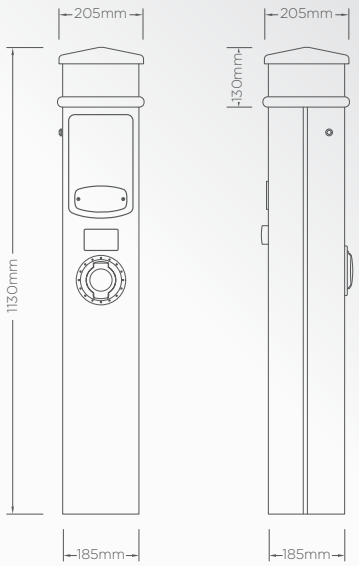
Rolec EV chargepoints are designed, developed and manufactured in the UK and come with a 3 year warranty included as standard, for added peace of mind on your investment.

Specifications

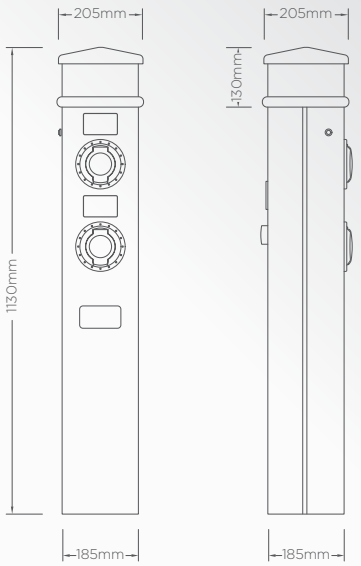
Product Overview:

	Connection Type	Charging Output	Input Supply	Unit Colour	Product Code
Single Phase Units	1x Type 2 (IEC 62196) charging socket	Up to 7.4kW (32A)	1x 32A Single Phase 230V AC (±10 %) 50/60Hz	Black	ROLEC0211B
				Grey	ROLEC0211G
				White	ROLEC0211W
	2x Type 2 (IEC 62196) charging sockets	Up to 7.4kW (32A) per socket	1x 63A Single Phase 230V AC (±10 %) 50/60Hz	Black	ROLEC0221B
				Grey	ROLEC0221G
				White	ROLEC0221W
Three Phase Units	1x Type 2 (IEC 62196) charging socket	Up to 22kW (32A)	1x 32A Three Phase 400V AC (±10 %) 50/60Hz	Black	ROLEC0213B
				Grey	ROLEC0213G
				White	ROLEC0213W
	2x Type 2 (IEC 62196) charging sockets	Up to 22kW (32A) per socket	1x 63A Three Phase 400V AC (±10 %) 50/60Hz	Black	ROLEC0223B
				Grey	ROLEC0223G
				White	ROLEC0223W

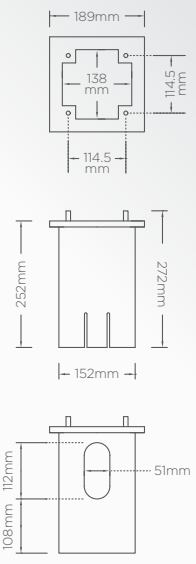
BasicCharge 1way unit:



BasicCharge 2way unit:



Ground mounting base:



Specifications

Technical Data:

User Interface	• Mobile app • RFID reader (MIFARE ISO/IEC 14443 A) • Plug & charge • RGB LED status indicator halo(s) – configurable
Charge Protocol	Mode 3 (IEC 61851-1)
Protection	• AC overload & fault current protection – 40A 30mA Type A RCBO (per socket) • DC fault protection – 6mA • Lightning surge, over temperature protection • TruePEN PME fault detection – No earth electrode/rod required • Supports automatic dynamic load balancing (may require additional hardware) • Supports static load management (software configurable)
Cable Terminals	• Single Phase – 3x 50mm 1P + N + E • Three Phase – 5x 50mm 3P + N + E

Communications	• 4G LTE Cat-1 (built-in nano SIM, 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
	• 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 – 2 x G9 2.3W LED, 230-240V AC • Colour temperature – 5000k • Protection – 6A 30mA Type A RCBO
Standby Power Consumption	< 7.5W (per socket, excluding lighting)
Dimensions	205mm x 1130mm x 205mm (W x H x D)
Weight	< 15kg (model dependant)
Environmental	• Ingress protection – Enclosure IP65, Socket IP54 • Impact protection – IK10 • Security – Dual tamper and breach notifications • Operating temperature – -30°C to +50°C • Operating humidity – 5% to 95%
Materials	• Substructure – Hot-dipped Galvanised Steel • Panel – 3.2mm Aluminium composite • Lens – High impact resistant 3mm Polycarbonate • Lid/collar – ABS Granulate Natural Polyethylene
Unit Colour	● Black ● Grey ○ White ● 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 • Safety Compliance (LVD) – EN 62368-1:2014, 2014/35/EU, SI 2016/1101 • 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) • Environmental Protection – BS EN 60529:1992+A2:2013 • Impact Rating – BS EN 62262:2002+A1:2021 • Metering – 2014/32/EU, SI 2016/1153 • RoHS – 2011/65/EU, SI 2012/3032 • REACH – 1907/2006, REACH etc. (Amendment) Regulations 2021 • Certification Markings – CE & UKCA
Warranty	3 years

Options & accessories

Product Code	Item Description
RFID0010	RFID card
RFID0020	RFID fob
GMCP0010	Ground mounting base for BasicCharge pedestal
EVCB0020	Root mount protection barrier – 48mm
EVCB0040	Surface mount protection barrier – 48mm
EVPS0010	EV parking sign – A4 landscape (Other sizes are available)
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)
ACSR0125	100A up to 35mm² screened CT clamp with 10m cable
EVAD3090B	To add tamper & breach protection – BasicCharge (to meet Schedule 1 of Smart Charge Points Regulations – (SI 2021/1467))



RFID0010
RFID0020



EVCB0040



EVPS0010

GMCP0010





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.

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BUSINESSES

WORKPLACE | COMMERCIAL | DEVELOPMENT | RESIDENTIAL | DESTINATION | FLEET



VendElectric

- Full control of your own chargepoint network
- A future-proof and scalable solution
- Mapped network
- Customisable tariffs
- Generate revenue
- Smart reporting and analytical feedback
- Fleet management solutions
- Automatic fault notifications
- Over-the-air updates
- Optional electrical load management:
  (Ideal for sites where the collective load may be greater than the electrical supply)



Other preferred back-office partners:

MONTA

Fuuse

ChargePlace Scotland
electric vehicle charging

Managing chargepoints

Rolec EV's range of AC fast and DC rapid chargepoints are suitable for all types of businesses. OCPP integration allows these units to be managed by any compliant back-office, including Rolec EV's own management platform, VENDELECTRIC.

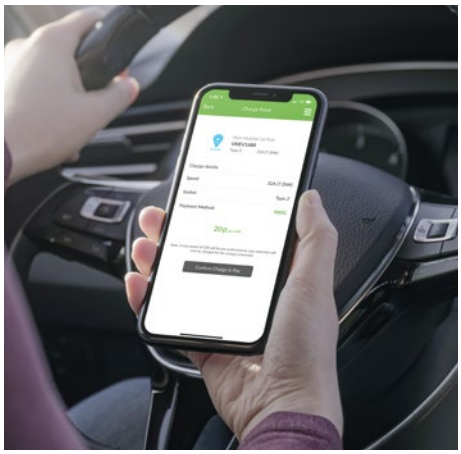
Operating chargepoints

There are three quick and easy ways for drivers to operate the chargepoints: mobile app, RFID cards and fobs or plug & charge.

VendElectric app

Manage your charging activity whilst benefiting from an variety of features.

- Easily find and navigate to a chosen destination using the chargepoint map
- Sort and save favourite locations
- View current & past charge sessions
- Review statistics and analytical data
- Exportable data
  (ideal for submitting benefit-in-kind claims)
- Live charge session notifications
- Virtual wallet for quick activation
- Multiple EVs can be added and used on a single registered account



DOWNLOAD THE APP

GET IT ON Google Play

Download on the App Store

RFID card/fob

Ideal for workplace employees who frequently use the same charging points, whether for their own or their company vehicle. Hosts can assign an RFID to either the driver or a vehicle (VRM).



For more about **VendElectric**, including data management pricing & plans, visit **www.rolecserv.com/chargepoint-management-system**

HOMES

HOUSES | FLATS | RENTED ACCOMMODATION | PRIVATE GARAGES & PARKING SPACES



Operating your chargepoint

Rolec EV's range of chargepoints for the home have been designed to provide an easy charging experience for EV drivers, allowing them to recharge their vehicle using their smartphone or handy RFID card/fob.

This range of chargepoints are OCPP compliant, enabling them to integrate with any compatible app the user desires.

Other preferred mobile app partners:

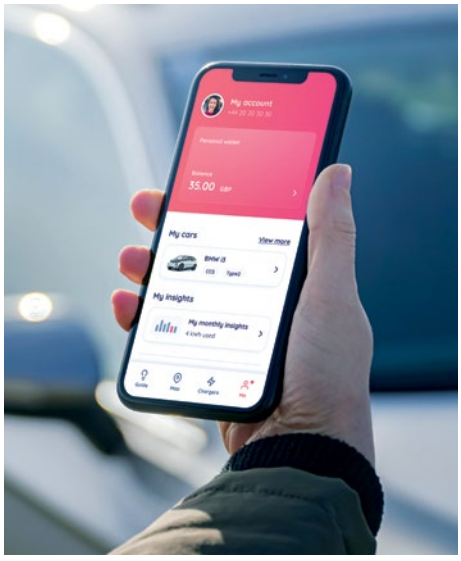
ev.energy

Electric Miles

Monta app

Flexible charging at home, at work, or on the go. Smart charging just got smarter.

- Choose your ready time and choose to prioritise lower costs, lower CO_2 or only using renewable energy
- Schedule charges so your car is ready when you are
- Integrates with over 350 car models, check charges without leaving the app
- Share your chargepoint with others and set how much they should pay
- Access to over 195,000 public chargepoints across Europe
- Secure payment methods
- Automatic software updates & bug fixes
- Online chat or support line for help when you need it most



DOWNLOAD THE APP

GET IT ON Google Play

Download on the App Store

For more details about the monta app, go to **www.monta.com/uk/home-charging**

RFID card/fob

Great for EV drivers who want to quickly activate their home chargepoint. 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.





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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EVBD-V02-R5 BasicCharge Data Sheet

Manufactured in the UK

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