



**ROLEC**

# WALLPOD

Intelligent EV charging unit



Designed &  
Manufactured  
in the UK

# WALLPOD

Intelligent EV charging unit

The WALLPOD is an affordable and reliable EV charging unit, which is ideal for both domestic and commercial locations, providing up to 7.4kW fast charging.

This future-proof OCPP compliant unit can offer a simple plug & go 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.

Domestic users can also charge their vehicle as sustainably as possible using their solar PV or other home renewables for a zero-cost, zero-carbon charge.\*

\*App dependent feature



# Product features

- Suitable for both domestic and commercial installations
- Plug & go, mobile app or RFID controlled charging
- Universal charging socket or Type 2 tethered lead
- Up to 7.4kW charging output
- PME fault detection (no earth rod required)
- Dynamic load balancing (CT clamp & cable included)
- Solar PV, battery storage or wind turbine integration
- OCPP 1.6 compliant (integrates with any chargepoint management system)
- Over-the-air firmware / software updates
- Built-in 6mA DC leakage protection
- Dual tamper and breach security notifications
- Cable lock security feature (can be permanently locked by owner)
- MID-approved energy metering
- 4G / Wi-Fi / Ethernet connectivity
- Strong and durable IP54 / IK10 rated
- Wall or post 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 & go.



## 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 7.4kW

This single phase charger provides up to 7.4kW fast charging.

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

### CHARGE FOR FREE!

Sync your solar PV, battery storage or wind turbine setup to benefit from sustainable, zero-cost, zero-carbon charging.

Smart home integration is also supported, so you can control your charger using Alexa or Google assistant.\*



### 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.

\*App dependent feature

# Specifications

## Product Overview

Connection Type	Charging Output	Input Supply	Unit Colour	Product Code	
Single Phase Units	1x Universal charging socket	Up to 7.4kW (32A)	1x Up to 32A Single Phase* 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4020G
				○ White	ROLEC4020W
				● Black	ROLEC4020B
	1x Type 2 5m tethered lead**	Up to 7.4kW (32A)	1x Up to 32A Single Phase* 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4140G
				○ White	ROLEC4140W
	1x Type 2 10m tethered lead**	Up to 7.4kW (32A)	1x Up to 32A Single Phase* 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4145G
○ White				ROLEC4145W	
			● Black	ROLEC4145B	

\*Chargepoint(s) will downrate if the input supply is lower than the maximum charging output

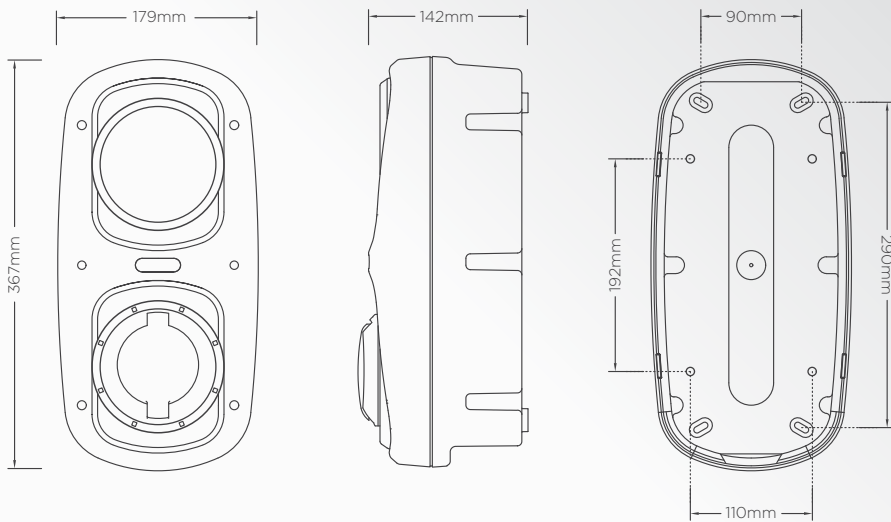
\*\*5m tethered leads (approx. 4.5m external) 10m tethered leads (approx. 9.5m external)



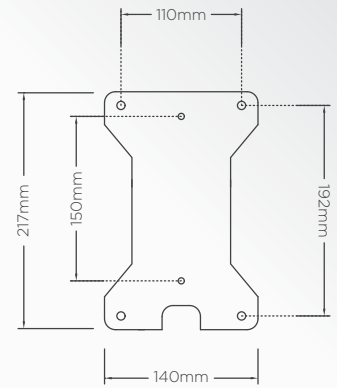
# Specifications

## Unit Dimensions

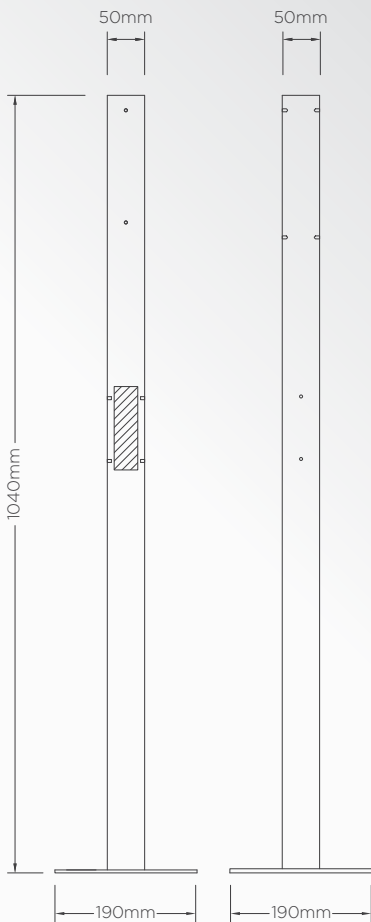
WALLPOD charging unit:



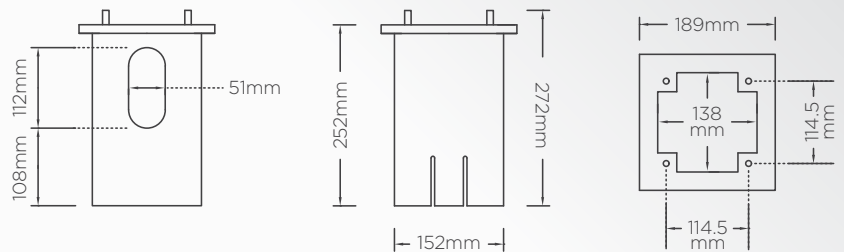
Mounting plate:



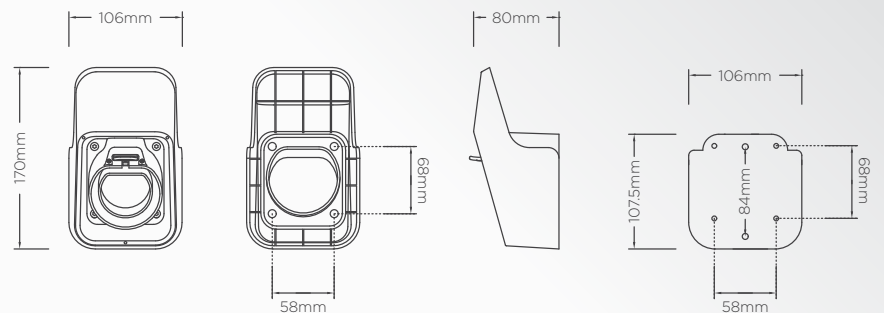
Mounting post:



Ground mounting base for mounting post:



Type 2 plug & cable holster & mounting plate for post:



# Specifications

## Technical Data

<b>User Interface</b>	<ul style="list-style-type: none"> <li>• Mobile app</li> <li>• RFID reader (MIFARE ISO/IEC 14443 A)</li> <li>• Plug &amp; go</li> <li>• RGB LED status indicator halo - configurable</li> </ul>
<b>Charge Protocol</b>	Mode 3 (IEC 61851-1)
<b>Built-in Protection</b>	<ul style="list-style-type: none"> <li>• Over current protection</li> <li>• DC fault protection - 6mA</li> <li>• Lightning surge, over temperature protection</li> <li>• PME fault detection - No earth electrode/rod required</li> <li>• Supports automatic dynamic load balancing (may require additional hardware)</li> <li>• Supports static load management (software configurable)</li> </ul>
<b>Required External Protection</b>	<ul style="list-style-type: none"> <li>• AC overload &amp; fault current protection - A suitably rated 30mA Type-A RCBO or equivalent protection is required at source (dependent on cable type and/or route)</li> <li>• Surge Protection - May be required depending on the installation</li> </ul>
<b>Cable Terminals</b>	Single Phase - 3x 50mm 1P + N + E
<b>Communications</b>	<ul style="list-style-type: none"> <li>• 4G LTE Cat-1 (built-in nano SIM, subscription required) <ul style="list-style-type: none"> <li>• LTE FDD: B1/B3/B5/B7/B8/B20/B28</li> <li>• GSM: B2/B3/B5/B8</li> </ul> </li> <li>• Wi-Fi 802.11 b/g/n 2.4 GHz (2412-2472 MHz / 2422-2462 MHz)</li> <li>• NFC 13.56 MHz</li> <li>• RJ45 Ethernet connection</li> <li>• Bluetooth Low Energy (BLE 4.1) 2402-2480 MHz (for installer configuration purposes)</li> <li>• OCPP 1.6J</li> <li>• Cyber security - Data encryption level TLS 1.2</li> </ul>
<b>Energy Metering</b>	Integrated Class 1 MID compliant metering
<b>Standby Power Consumption</b>	< 7.5W
<b>Dimensions</b>	179mm x 367mm x 142mm (W x H x D)
<b>Weight</b>	< 3kg to < 7kg (model dependent)
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Ingress protection - Enclosure IP65, Socket IP54</li> <li>• Impact protection - IK10</li> <li>• Security - Dual tamper and breach notifications</li> <li>• Operating temperature - -30°C to +50°C</li> <li>• Operating humidity - 5% to 95%</li> </ul>
<b>Materials</b>	High impact resistant Polycarbonate
<b>Unit Colour</b>	 Black  Grey  White  Branding available upon request
<b>Certifications &amp; Compliances</b>	<ul style="list-style-type: none"> <li>• EV Charging Compliance - EN 61851-1:2019, EN 61851-22:2002</li> <li>• Smart Charge Points - (SI 2021/1467)</li> <li>• Wiring Regulations - BS 7671:2018+A2:2022</li> <li>• EMC Compliance - EN 61000-6-3:2007+A1:2011, EN 61000-6-2:2005, 2014/30 /EU, SI 2016/1091</li> <li>• Safety Compliance (LVD) - EN 62368-1:2014, 2014/35/EU, SI 2016/1101</li> <li>• 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)</li> <li>• Environmental Protection - BS EN 60529:1992+A2:2013</li> <li>• Impact Rating - BS EN 62262:2002+A1:2021</li> <li>• Metering - 2014/32/EU, SI 2016/1153</li> <li>• RoHS - 2011/65/EU, SI 2012/3032</li> <li>• REACH - 1907/2006, REACH etc. (Amendment) Regulations 2021</li> <li>• Certification Markings - CE &amp; UKCA</li> </ul>
<b>Warranty</b>	3 years



# Options & accessories

Product Code	Item Description
RFID0010	RFID card
RFID0020	RFID fob
EVFP0030	Mounting post (fits up to 2 units   conforms with PAS 1899)
GMCP0010	Ground mounting base for mounting post
EVFP0040	WallPod plate for mounting post
EVRS0030	Type 2 plug & cable wall or post mount holster
EVFP0080	Type 2 plug & cable holster plate for mounting post
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 (Other cables are available, including Type 1 options)
EVIN0010	20A Single Phase EV consumer unit with Type A RCBO
EVIN0015	40A Single Phase EV consumer unit with Type A RCBO
ACSR0525	Perific Max Fuse Protection Device with 3x 900A up to 36mm <sup>2</sup> current sensors
ACSR0535	Perific Max Fuse Protection Device with 3x 900A up to 100mm <sup>2</sup> current sensors
ACSR0545	Perific Max LAN accessory input kit
ACSR0125-F	100A up to 35mm <sup>2</sup> screened CT clamp with 10m cable & connector



EVFP0035

GMCP0010



ACSR0125-F

ACSR0535



RFID0020

EVPP0100



## TAP & CHARGE Remote payment terminal

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

ROLEC5000



### 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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# Chargepoint management & operation










Integrated with over 45 CPMS partners around the globe



## 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.

-  Remotely control your home EV charging via mobile app
-  Prioritise lower costs, lower CO<sub>2</sub> or only using renewable energy
-  Schedule charges so your car is ready when you are
-  Easily locate and navigate to public chargepoints via the road map
-  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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EVWD-V02-R8 WallPod Data Sheet

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