

# Condition#4 - Electric Vehicle Charging Point



**ROLEC**EV

## WALLPOD

Intelligent EV charging unit



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 & 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.

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



**FREE app & support**

Domestic customers benefit from 3 years Monta app connectivity and support included\*

\*Data fees may apply if connecting via 4G



# Product features

- Suitable for both domestic and commercial installations
- Plug & charge, 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 (can integrate with any back-office)
- 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 user)
- Integrated RFID reader
- MID-approved energy metering
- 4G / Wi-Fi / Ethernet connectivity
- IK10 impact resistant design
- Wall or post mounted
- OZEV grant fundable
- Designed & manufactured in the UK

Powered by  
**MONTA**

Other preferred  
back-office and  
mobile app partners:



\*App dependent feature



## 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 the OZEV EV Chargepoint Grant & 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 offer a bespoke chargepoint branding service; from logos & brand colours, to vinyl wraps.



## No earth rod required

Equipped with built-in PME fault detection, saving on 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



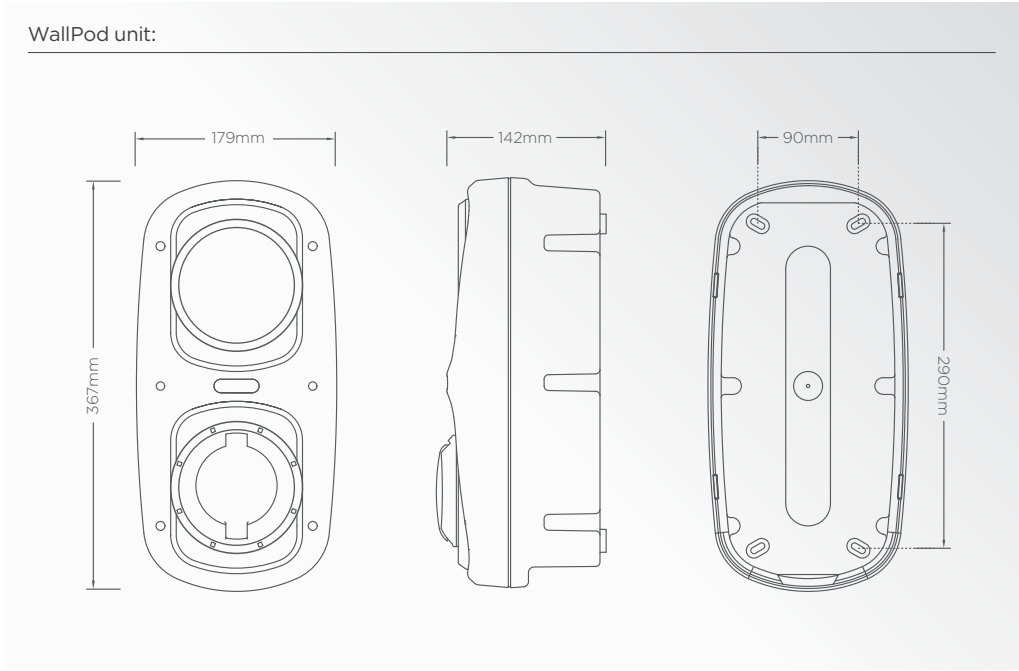
Specifications

Product Overview:

	Connection Type	Charging Output	Input Supply	Unit Colour	Product Code
Single Phase Units	1x Type 2 (IEC 62196) charging socket	Up to 7.4kW (32A)	1x 32A Single Phase 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4020G
				○ White	ROLEC4020W
				● Black	ROLEC4020B
	1x Type 2 (IEC 62196) 5m tethered lead*	Up to 7.4kW (32A)	1x 32A Single Phase 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4140G
				○ White	ROLEC4140W
				● Black	ROLEC4140B
	1x Type 2 (IEC 62196) 10m tethered lead*	Up to 7.4kW (32A)	1x 32A Single Phase 230V AC (±10 %) 50/60Hz	● Grey	ROLEC4145G
				○ White	ROLEC4145W
				● Black	ROLEC4145B

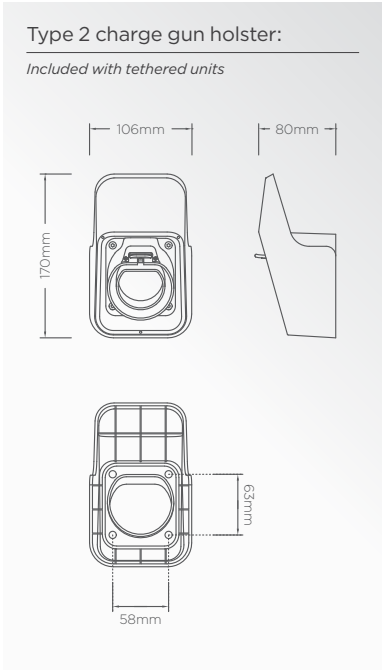
\*5m tethered leads (approx. 4.5m external) 10m tethered leads (approx. 9.5m external)

WallPod unit:




Type 2 charge gun holster:

Included with tethered units



# Specifications

## Technical Data:

User Interface	<ul style="list-style-type: none"> <li>• Mobile app</li> <li>• RFID reader (MIFARE ISO/IEC 14443 A)</li> <li>• Plug &amp; charge</li> <li>• RGB LED status indicator halo – configurable</li> </ul>
Charge Protocol	Mode 3 (IEC 61851-1)
Protection	<ul style="list-style-type: none"> <li>• AC overload &amp; fault current protection – A dedicated 30mA Type A RCBO or equivalent protection is required at source (see page 7 for options)</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>
Cable Terminals	<ul style="list-style-type: none"> <li>• Single Phase – 3x 50mm 1P + N + E</li> </ul>
Communications	<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>
Energy Metering	Integrated Class 1 MID compliant metering
Standby Power Consumption	< 7.5W
Dimensions	179mm x 367mm x 142mm (W x H x D)
Weight	< 3kg to < 7kg(model dependant)
Environmental	<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>
Materials	High impact resistant Polycarbonate
Unit Colour	 Black  Grey  White  Branding available upon request
Certifications & Compliances	<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>
Warranty	3 years



# Options & accessories

Product Code	Item Description
RFID0010	RFID card
RFID0020	RFID fob
EVFP0010	WallPod galvanised steel mounting post - 1350mm
EVFP0030	Mounting post - fits up to 2 chargers
EVFP0040	WallPod 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)
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
EVRS0030	Remote wall mount for Type 2 plug holster
ACSR0125	100A up to 35mm <sup>2</sup> screened CT clamp with 10m cable



RFID0010  
RFID0020



EVFP0030



EVPS0010



EVIN0010



ACSR0125



## 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.



EVPP0100

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# Chargepoint management

















Monta's chargepoint management platform provides businesses and organisations with the ability to deploy and self-manage their very own electric vehicle charging network. Ideal for workplace, fleet, commercial and residential locations.

Other preferred  
back-office partners:



+ many more

-  Full & automated control of your chargepoints
-  Unlock additional revenue streams
-  Set chargepoints for public and/or private use
-  Set different pricing for individual chargepoints & groups
-  Dynamic pricing allows operators to set pricing in line with their hour-by-hour energy cost
-  Fully scalable solution; add or remove chargepoints & users
-  Complete fleet management solutions with analytical feedback & reporting
-  Reduce charging costs and CO<sub>2</sub> with Smart Charge feature
-  Vehicle integration provides visibility of battery size, SOC, percentage & location etc.
-  Automatically reimburse employees' home charging
-  Smart queuing system that sends notifications to drivers when they become available
-  Over-the-air updates and self-healing algorithms ensure charger stability & availability
-  Static, Dynamic or True Dynamic load balancing options
-  EV Roaming feature, allowing chargepoints to be available on other apps

## Charge point settings

Set charge point to public

Private ☒ Public

## Reserve charge point

Book charge points at a time that suits you the best!

Reserve

## Easy payment for your employees



## Charge revenue



▶ For more information about Monta's chargepoint management solutions and pricing, see the Powered by Monta Overview Sheet

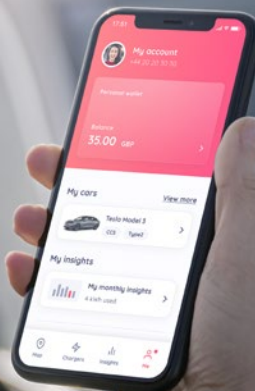


# Chargepoint operation












## ROLEC**EV**

Powered by

## MONTA



Charge your EV on your terms. With Monta you have full control over your charging experience, at home or on the road.

-  Easily locate and navigate using the chargepoint map
-  Remotely control your home EV charging
-  Choose your ready time and choose to prioritise lower costs, lower CO<sub>2</sub> or only using renewable energy
-  Schedule charges so your car is ready when you are
-  Integrate with most EV manufacturer apps and cars
-  Real-time information on your car and battery levels to maximize your charging experience
-  Share and give charging access to friends, family and guests
-  Set your home charger for public use with custom pricing
-  Access to over 300,000 public chargepoints across Europe
-  Easily initiate charging and complete payments via credit card, Apple Pay, Google Pay or Monta Wallet
-  Online chat or support line for help when you need it most



The Monta app  
is 100% free with  
no subscription cost  
when charging  
at home

Other preferred  
mobile app partners:



## RFID activation

Great for quick activation, 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.



**DOWNLOAD THE APP**



▶ For more details about the Monta solution for EV drivers and the Monta app, please visit [www.monta.com/uk/home-charging](http://www.monta.com/uk/home-charging)



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The latest version of this publication can be downloaded at <https://www.rolecserv.com/downloads-ev-charging>

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EVWD-V02-R6 WallPod Data Sheet



Manufactured  
in the UK

**ROLEC**EV

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