



POWERPOINT

ELECTRICAL & MECHANICAL

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Technical Submission

Date:	26.06.2026	Ref.:	E116
To:	Joseph Osborne	Company:	Highwood Group
Tech sub No.:	TS E022	Project Title:	Chickenhall Lane
Details:	EV Chargers - Full System Components		

Rolec EV chargers:
Charging point
Online charging platform
User manual for app

Respond by: 14 days from submission

Response:

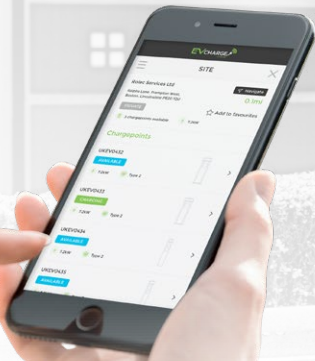
Signed:		Print:	
Status:	A - Approved ☐	B - Approved with comments ☐	C – Not Approved ☐

EVCHARGE^{online}

CHARGING PLATFORM OVERVIEW

ROLEC
EV Charging

MANUFACTURED IN THE UK



EV driver operation via
smartphone app



ENABLING YOU TO **MANAGE & OPERATE** **YOUR OWN** CHARGING NETWORK

EV CHARGE.ONLINE is a unique EV charging platform providing businesses, organisations and similar with the ability to deploy and self manage their very own EV charging network without having to incur any of the significant costs associated with developing a back-office, phone app and secure payment/management platform.

- ✓ **NO** Driver Annual Membership Fees
- ✓ **NO** Driver Monthly Subscription Fees
- ✓ **NO** Driver Connection Fees

EV CHARGE.ONLINE PAY-TO-CHARGE
PAYMENT PARTNERS/ASSOCIATES



*“EV CHARGE.ONLINE provides the operator
with **complete chargepoint network visibility,
management and monitoring**”*

A SELECTION OF EV CHARGE.ONLINE FEATURES



Smart Charging
Network



EV Driver
Multi-Device Access



Operator
Management



Optional Revenue
Stream



Analytical
Feedback



Customisable
EV Driver Tariffs

BENEFITS OF EV CHARGE.ONLINE...

...FOR YOUR BUSINESS/ORGANISATION

✓ You're In Complete Control

Unlimited use of an industry leading back-office platform enabling you to have full management and control of your entire EV charging network.

✓ Future-proof & Scalable Solution

Manage single or multiple charge points with the option to accommodate for private network charging (staff members, fleet drivers etc), ensuring your chargepoints are secure from unauthorised usage. Add more EV charging points to your infrastructure as and when demand increases.

✓ Mapped Network

Complete mapped overview of your network as well as the ability to accurately position your chargepoints at your premises using the platform's interface.

✓ Customisable Tariffs

Operate your charging points via pay-to-charge, free-to-charge or BLK options. For example, you may wish to offer free charging to employees, whilst providing visitors with a pay-to-charge service.

✓ Generate Revenue

Immediate revenue stream by simply setting your own EV charging tariffs, with the ability to change as and when you wish to suit your business requirements. The revenue summary page provides you with a clear overview of your revenue, energy costs and profits.

✓ Smart Reporting & Analytical Feedback

Full visibility of real-time chargepoint activity, monitoring, CO₂ savings and energy usage all at the click of a button, helping you understand charging behaviours and where further infrastructure is required. You can easily access and export all historic data and reports.

✓ Fleet Management Solutions

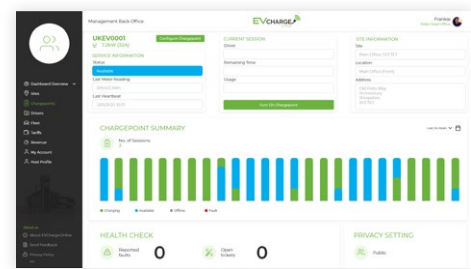
Ability to restrict chargepoints to specific VRMs (Vehicle Registration Marks) via the app, making the ideal solution for fleets.

✓ Automatic Fault Notifications

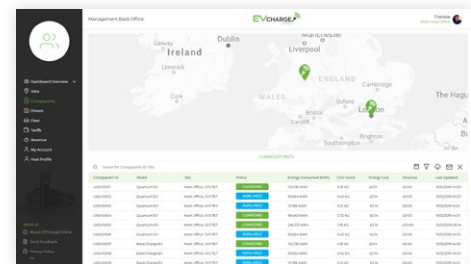
Fault notification feature allows the EV CHARGE.ONLINE team to provide support when required.

✓ Optional Electrical Load Management

For locations with multiple EV charge points where the collective load may be greater than electricity supply, the optional load management feature ensures all charging facilities are available for use.



Chargepoint Summary Screen



Chargepoint Network Screen



Revenue Summary Screen



BENEFITS OF EV CHARGE.ONLINE...

...FOR THE EV DRIVER

✓ Easy To Operate

The EV driver plugs in to the chargepoint and activates their charging session by simply scanning the chargepoint's QR code using their smartphone's camera. Alternatively they can enter the socket ID number via the EV Charge.Online app.

✓ No Upfront Costs

There are no hidden fees, unnecessary charging network membership, subscription or connection fees.

✓ Secure Payment Platform

For chargepoints that are set to operate on a pay-to-charge tariff, the user pays for the charge advertised on the app using secure Visa or MasterCard payment method via WorldPay.

EV CHARGE.ONLINE PAY-TO-CHARGE PARTNERS/ASSOCIATES

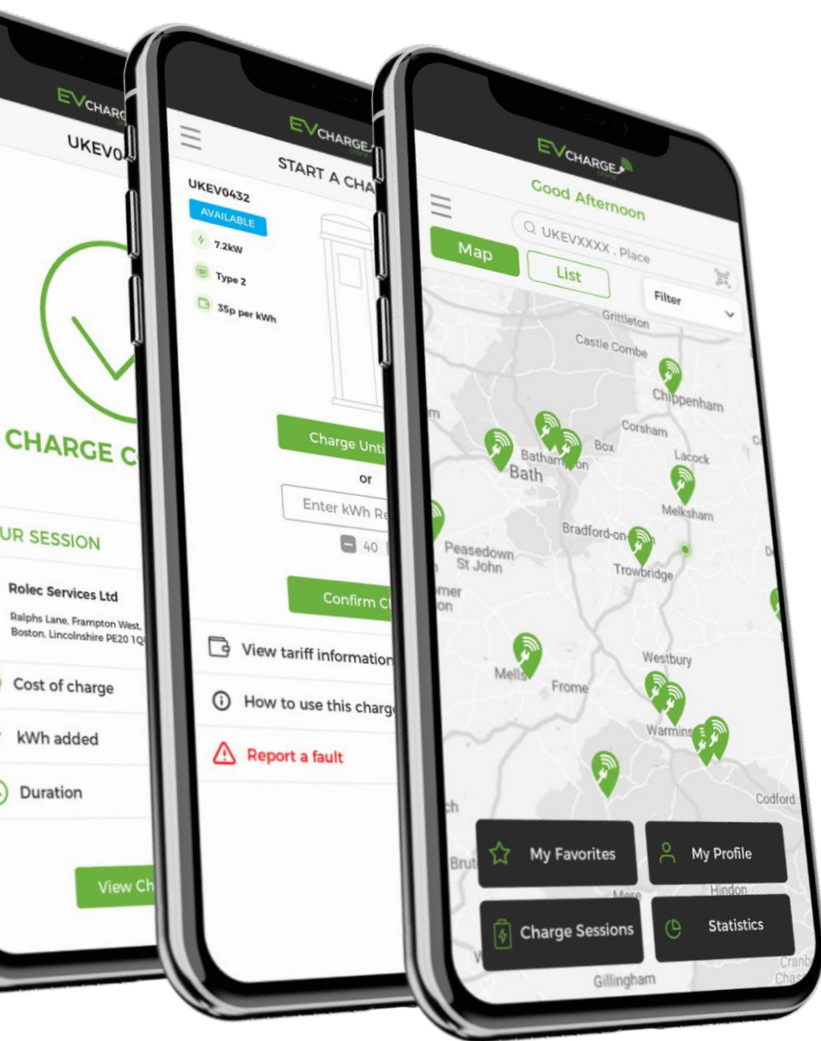


worldpay

VISA



THE EV CHARGE.ONLINE APP FEATURES



Locate & Navigate

Easy to find and navigate to a chosen charging point



My Favourites

Save & sort your favourite charging locations



Charge Sessions

View all of your current and past charging session information



Statistics & Analytics

Understand your EV charging activity/behaviour



Exportable Data

Ideal for submitting your benefit-in-kind claims



Live Notifications

Receive charging session notifications and alerts



Virtual Wallet

Top-Up a virtual wallet which makes activating a charge much quicker



Multi Vehicle Access

Multiple EVs can be added to a single registered account

DOWNLOAD THE APP



3 YEAR DATA MANAGEMENT PRICING & PLANS

	Essential	Premium
OLEV GRANT ELIGIBLE:		
WCS (Workplace Charging Scheme)	✓*	✓
USER ACCESS:		
Plug & Play Charging	✓	✓
Mobile Phone App		✓
HOST MANAGEMENT:		
Unlimited Back-Office Platform Access		✓
Chargepoint Management Dashboard		✓
Visibility Of Your Entire Chargepoint Network		✓
Real-Time, Historical & Analytical Feedback		✓
Customisable Tariffs		✓
Optional Revenue Stream		✓
Private, Public & Fleet Charging Options		✓
Exportable Usage, Revenue & BIK (Benefit In Kind) Data		✓
Automatic Maintenance Response Notifications		✓
Electrical Load Management (Optional)		✓

* PLEASE NOTE: The EVCharge.Online Essential management plan provides the host with an automated quarterly chargepoint consumption report as required in order to meet eligibility for the OLEV Workplace Charging Scheme Grant (WCS).

£50
per 3 Years
(each socket)

£135
per 3 Years
(each socket)



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BASICCHARGE:EV

EV OPENCHARGE

Type 2, Mode 3 Charging Socket(s)
(GPRS/Ethernet Communication)
3.6kW or 7.2kW

ROLEC
EV Charging

MANUFACTURED IN THE UK



COMPLIANT



The BASICCHARGE:EV OPENCHARGE pedestal replicates Rolec's world-leading Classic utility pedestal, which provides a simple and effortless EV charging experience for all users.

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

Available in either 1way or 2way versions, providing Mode 3 fast charging in 3.6kW or 7.2kW speeds, this unit features a built in GPRS antenna and Ethernet connection.



Unit shown: BASICCHARGE:EV
EV OPENCHARGE
2way Socket (Type 2) Charging Pedestal

PRODUCT FEATURES

- Mode 3 (IEC 61851-1) fast charging
- Available in 1way / 2way & 3.6kW (16A) / 7.2kW (32A) versions
- Type 2 (IEC 62196) charging socket(s) c/w security hatchlock(s)
- OCPP 1.6 compliant (Can integrate with any back office)
- Remote firmware updates
- Built-in RFID reader
- Photocell controlled LED amenity lighting head
- Surface or roof mountable
- Built-in AC overload protection (MCB)
- Built-in AC & DC fault protection (RCD)
- Built-in LED charging status indicator socket halo(s)
- Built-in class 1 MID compliant kWh meter(s)
- EV driver Pay-to-Charge smartphone integration
- OLEV Grant Fundable under the Workplace Charging Scheme
- Easy to install & maintain
- IP rated, UV stabilised & corrosion resistant

Chargepoint Management

Unless otherwise stated at time of order, EV OPENCHARGE units will be automatically programmed to operate via the Rolec EV CHARGE.ONLINE back office management system.



See the EV CHARGE.ONLINE Overview for details



OCPP 1.6
Compliant



Grant
Fundable



GPRS / Ethernet
Connectivity



Branding & Colour
Options Available



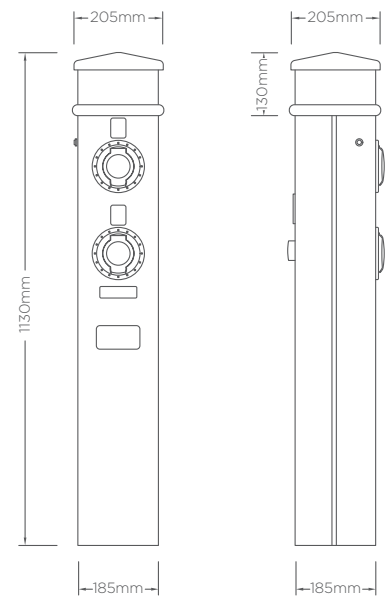
LED Amenity
Lighting



IP Rated &
UV Stabilised

SPECIFICATIONS

Product Code	OCPP0210	OCPP0211	OCPP0220	OCPP0221
Charging Socket(s)	1x Type 2 (IEC 62196) 		2x Type 2 (IEC 62196) 	
Rated Output	3.6kW	7.2kW	3.6kW	7.2kW
Rated Current	16A	32A	16A	32A
Charge Protocol	Mode 3			
Input Voltage	230V AC/50Hz (Single Phase)			
AC Overload Protection	1x C20A MCB	1x C40A MCB	2x C20A MCBs	2x C40A MCBs
AC & DC Fault Protection	1x Type B RCD		2x Type B RCDs	
Cable Terminals	3x 50mm			
Communications	GPRS (Recommended signal strength of 14 CSQ or above) RJ45 ethernet connection			
Standby Consumption	Approx 0.3kW per day			
  Certifications & Compliances	EV Charging Compliance – EN 61851-1:2011, BS EN 62196-1:2014, BS EN 62196-2:2017			
	Wiring Regulations – BS 7671			
	EMC Compliance – EN 301 489-01 V2.2.0, EN 301 489-03 V2.1.1, EN 301 489-52 V1.1.0, EN 50470-1:2006 (1x Skt) or EN 55032:2012 (2x Skts)			
	Spectrum/Telecom – EN 301 511 V9.0.2, EN 300 330 v2.1.1			
	RED – 2014/53/EU – EN 62311:2008			
	Safety Compliance (LVD) – 2014/35/EU			
	Environmental Protection – Enclosure IP65, Socket IP54 (BS EN 60529:1992+A2:2013)			
Dimensions	205mm x 1130mm x 205mm (W x H x D)			
Pedestal Material	High impact resistant aluminium composite outer shell			
Internal Chassis	Heavy duty, hot dipped galvanised steel			
Operating Temperature	-30°C to +50°C			
Standard Body Colour	Black (Other colours available upon request)			



EV OPENCHARGE

- Smart charging control via mobile phone and/or RFID
- Can integrate with any chosen OCPP back office management system
- Open Charge Point Protocol 1.6 (OCPP 1.6)
- On board GPRS modem with antenna
- Ethernet connection

OPTIONS & ACCESSORIES

- RFID card/fobs
- Load Manager system (electrical distribution management)
- Available with powder coated aluminium or stainless steel outer shell
- Corporate branding (colours, logo badge, etc.)
- Galvanised steel ground mounting base
- Protection barriers & charge point signage
- EV charging cables (Type 1 to Type 2 or Type 2 to Type 2)



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EVBCOCD-V02-R1 BasicCharge EV OpenCharge - Data Sheet



VendElectric

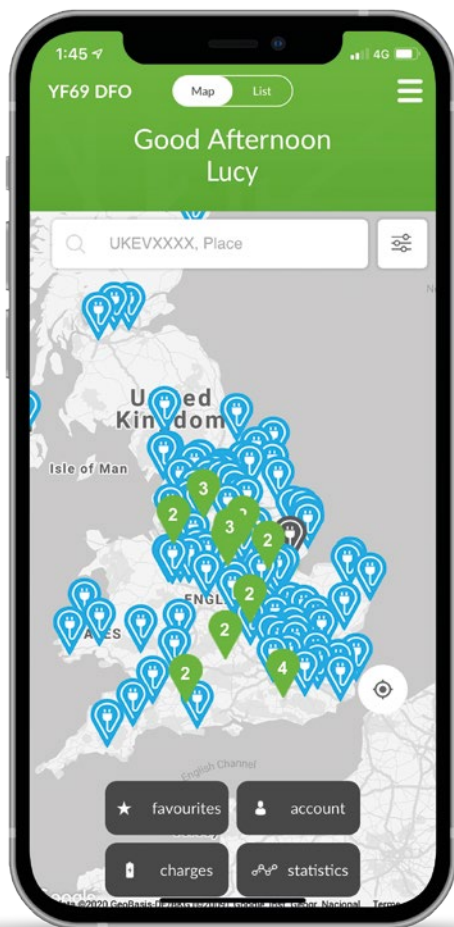
SMART SOLUTIONS

EV DRIVER APP USER GUIDE

To Find A Chargepoint



Download The App
or go to app.vendelectric.com



1 Use the map to find a charging location

- Choose from either map or list view.

Create an account to view, sort & save your favourite charging locations.

2 Click the 'Navigate' button for directions to your chosen charging location

3 Upon arrival choose an available socket

- The current availability can be viewed directly on the chargepoint's LED status indicator or within the app.



AVAILABLE

No charging sessions or vehicles connected



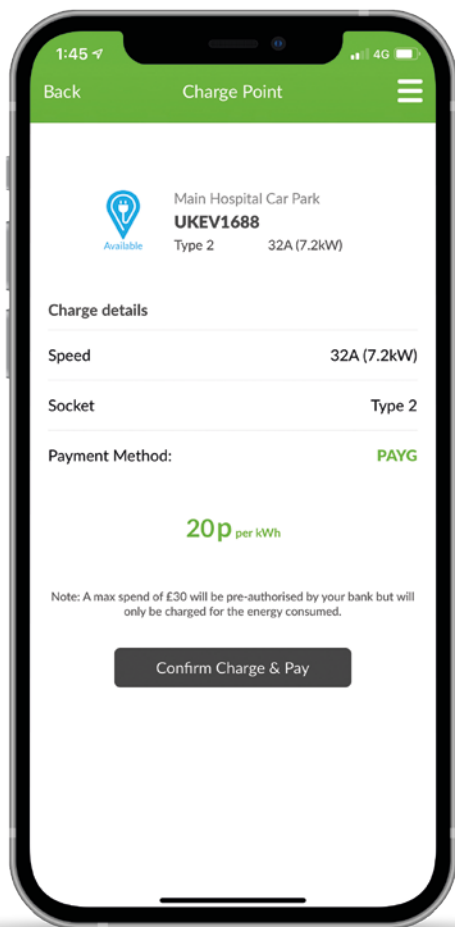
IN USE

A charging session is active or a vehicle is connected

4 Connect your vehicle

- Plug the cable into the chargepoint.
- Plug cable into the car.

Start Your Charge Session



5

Scan the QR code using your smartphone's camera

- The QR code can be found next to the charging socket.

Alternatively you can enter the socket ID number via the app.

6

Select your charge

- **FREE-TO-USE chargepoints** - Simply **Confirm Charge** and the charging session will begin (step 7 will not apply).
- **PAY-TO-CHARGE chargepoints** - Depending on the chargepoint host, the session will either be charged per kWh or per hour. Select charge and press **Confirm Charge & Pay**.

7

Paying for your charge

- Login, register or charge as a guest.
- Secure payment can be made in the app via Opayo using either Visa, Mastercard or JCB.
- Once payment is confirmed the charging session will begin.

If you choose to set up an account, this gives you the option to Top-Up a virtual wallet which will makes the process of activating a charge much quicker.

NOTE - For security, your charging cable will be locked into the chargepoint when a charging session is active.

For support call: **01205 725765**
email: **support@vendelectric.com**
vendelectric.com

End Your Charge Session

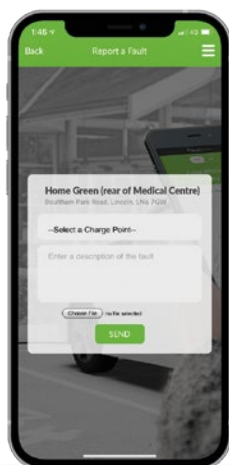


8

You can end your charging by one of the following methods:

- Pressing **Stop Charge** in the app.
- Touch the RFID sensor with the RFID card/fob that was used to start the session.
- Unplug the charging cable from the vehicle.

Report A Faulty Chargepoint

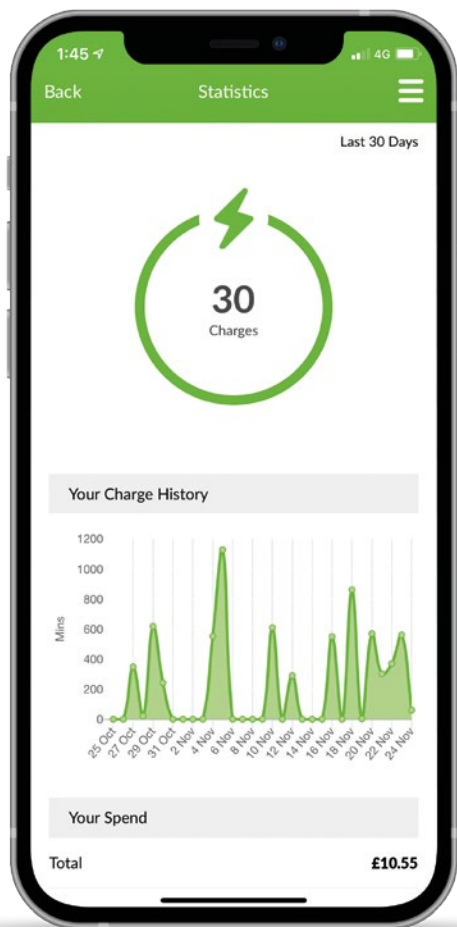


How to report a fault

- In the unlikely event that a fault does occur, the chargepoint's LED status indicator will flash red.
- You can report the fault to our customer service team via the app.

There is also the option to attach a photo of the issue you are experiencing with the chargepoint.

Additional Features



My Favourites

- Save your favourite chargepoint locations for future use.



Charge Sessions

- View all of your current and past charge session information.



Statistics & Analytics

- Understand your EV charging activity/behaviour.



Exportable Charging Data

- Ideal for expenses/benefit-in-kind claims.



Virtual Wallet

- Top-up a virtual wallet which will make activating a charge much quicker.



Pair RFID Cards/Fobs

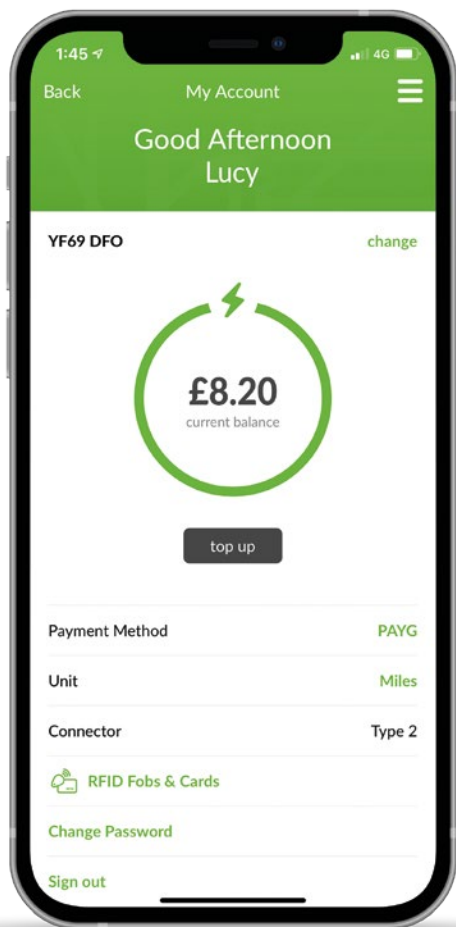
- Pair your own or host-supplied RFID cards/fobs to your account.
(Most Mifare 1K vehicle/charging network/security access cards/fobs can also be used).
- Use your registered RFID cards/fobs to activate charging sessions on host-enabled free-to-charge tariffs.

For support call: **01205 725765**
email: **support@vendelectric.com**
vendelectric.com

Register An RFID Card/Fob

Only registered users who have been added to a driver group by the chargepoint Host/Fleet Manager will be able to register an RFID to their account.

Once a driver has been added to a driver group they will see the **RFID Fobs & Cards** displayed on their **My Account** page. (As shown)



1 Add new RFID card/fob

You can register either, a personal RFID card/fob, or one issued by a chargepoint Host. (eg. vehicle/charging network/security access).

- Go to **My Account** screen in the app.
- Select **RFID Fobs & Cards**.
- Select **Add New**.
- Follow the step-by-step on-screen instructions to add the RFID card/fob.

Once a card/fob is registered on the system at one chargepoint, the same cards/fobs will function with all chargepoints within that chargepoint group, unless restricted by the Host.

Using An RFID Card/Fob

1

Start a session using your RFID card/fob

- Connect the vehicle to the chargepoint.
- Touch the RFID sensor with the card/fob.
- If authorised for use, the chargepoint's LED status indicator will flash green, shortly followed by solid green once the charge session has started.

If the session does not initiate please present the card again. If the problem persists contact the Chargepoint host to ensure your account has been added to the driver group in the Back-Office Management Suite.



2

Ending a charging session

Your charging session will end when one of the following events occurs:

- The RFID card/fob is held against the RFID sensor again.
- The vehicle is fully charged.
- The cable is unplugged from the vehicle.
- The time allocated for charging is reached (set by the Host).
- The charge session is stopped via the app.
- A charging fault occurs.

Contact us

Should you have any questions, comments or issues regarding using the VendElectric app or chargepoint which are not covered in this user guide, please contact our customer support team using the details below.



EVDAUGED-V01-R2 VendElectric Driver App User Guide - A4 booklet

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