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**Comhairle nan Eilean Siar**

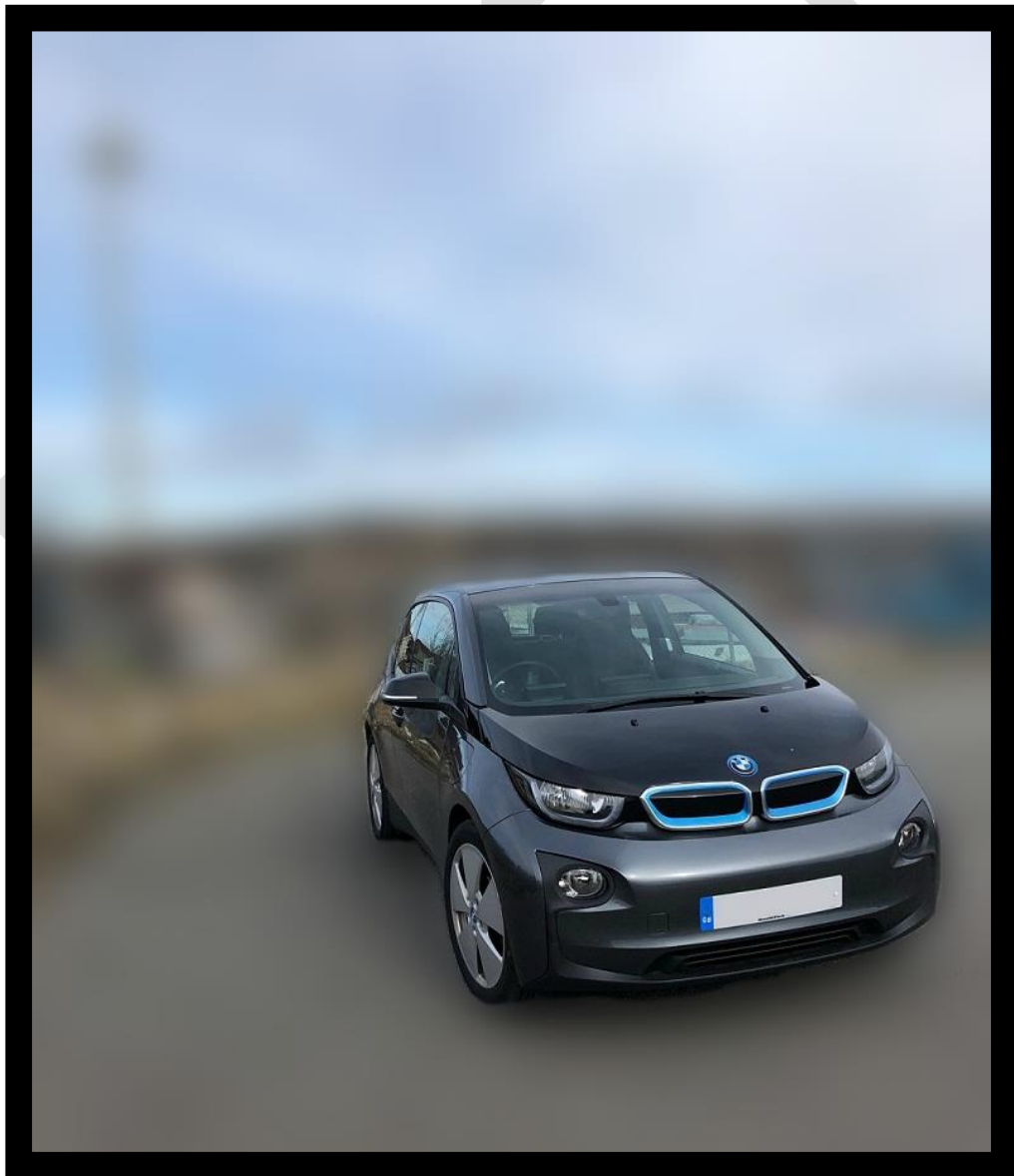
# Electric Vehicle – Charging Guide



Property Management  
Comhairle nan Eilean Siar

## Contents

7/22kW APT eVlt Charging Point.....	2
43kW / 50kW Rapid APT eVlt Charging Point.....	3
Useful Links .....	5
Contact Us.....	5



## 7/22kW APT eVolt Charging Point

The standard/fast charger across the Western Isles is the 7/22kW APT eVolt post (Fig. 1). These posts require the user to utilise their own charge cable, the type of cable used will dictate the level of power flow, and therefore the speed of the charge. A single phase 16/32amp cable is capable of providing a power output of 3.7/7.4kW however to achieve the maximum power delivery from a 22kW post, a 3-phase 32amp cable must be used. The 7kW AC will usually take 7-8 hours to completely charge a car, this decreases to 3-4 hours if a 22kW AC is used. These figures will double if two vehicles are connected as the power must be split.

To use the post, simply:

1. Connect your charge cable to your vehicle
2. Scan your "ChargePlace Scotland" card on the reader (Fig. 2), the flaps on the post will then unlock
3. Select a port and connect your charge cable to the post
4. The post will begin the charging sequence with the light on the rear of the post turning amber on the side the cable is connected to.
5. The light on the rear of the display will change again to blue upon the successful initiation of the charge
6. The vehicle is now charging



Fig. 1 – 7kW APT eVolt Post at Western Isles Council

Ending the Charge:

1. Scan your "ChargePlace Scotland" card on the reader once again, this will end the charge sequence
2. The light on the rear of the post will return to green, indicating it is safe to remove the charge cable
3. Disconnect the charge cable from the post
4. Disconnect the charge cable from the vehicle



Fig. 2 – Card Reader

If any problems are found with the charging point, call ChargePlace Scotland on 0141 648 0750 and quote the charging point ID found on a ChargePlace Scotland sticker attached to the post.

*Please be aware of potential charges applied for the use of charge points across the Western Isles, refer to guidance on posts before use for details.*

## 43/50kW Rapid APT eVolt Charging Point

The rapid charger available in the Western Isles is the 50kW Rapid APT eVolt post (Fig. 3). These posts come with a 43kW AC connection and a 50kW CCS/CHAdEMO connection rapid charger. The charge cables are tethered to the post therefore negating the need for the user to have their own cable present. There are three cables on the unit, one 43kW AC connection and two 50kW connections (CCS & CHAdEMO) granting any vehicle with rapid charging facilities the ability to use the post. The rapid charge connection used will depend on the vehicle manufacturer, examples of manufacturers that use AC/CCS or CHAdEMO include\*:

AC/CCS	CHAdEMO
Audi	Nissan
BMW	Mitsubishi
Jaguar	Toyota (Prius only)
Renault	Citroen
Tesla	Kia
Porsche	
Volvo	
Volkswagen	
Mercedes Benz	
Kia (2019 onwards)	

*\*List is not exhaustive & some manufacturers may produce cars with different connections*

The charge points have a maximum current delivery of 50kW through any connection, when a second vehicle connects to the post, the delivery capability of the post will be restricted due to the current being split between the two vehicles. This will result in a longer charge time.

### Charge Time:

The 43kW AC or the 50kW CCS/CHAdEMO connection should deliver a 0-80% charge in less than an hour for most electric vehicles (providing there is no other connection in use). Charge times may vary depending on the power of the vehicle's on board charger.

*Using the 43kW / 50kW Rapid APT eVOLT Charging Point*

To charge your vehicle:

1. Connect either the 43kW AC or 50kW CCS/CHAdEMO cable to your vehicle
2. Scan your ChargePlace Scotland card on the post's card reader (Fig. 4)
3. If you have opted to use the AC connection, press "Start" on the AC side of the post, if you are using the DC connection, press "Start" on the DC side of the post
4. The charge will be initialised and the post will begin performing checks
5. The light at the top of the post will turn blue indicating the charge has been successfully initiated
6. The on-post screen will display charging details
7. The vehicle is now charging

To end the charge:

1. Scan your ChargePlace Scotland card on the post's card reader once again
2. Press "Stop" on the side of the post you are using
3. Wait for on-screen instructions to remove the charge cable from your vehicle
4. Return the charge cable to the appropriate housing unit on the charge post



Fig. 3 - 43kW/50kW Charging Point at Western Isles Council



Fig. 4 – Card Reader

If any problems are found with the charging point, call ChargePlace Scotland on 0141 648 0750 and quote the charging point ID found on the ChargePlace Scotland sticker attached to the post.

**PLEASE ONLY USE THE EMERGENCY STOP BUTTON IN THE EVENT OF AN EMERGENCY**

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## Useful Links

ChargePlace Scotland - Homepage –

<<https://chargeplacescotland.org/>>

ChargePlace Scotland - Live Map –

<<https://chargeplacescotland.org/cpmap/>>

Comhairle nan Eilean Siar - Roads, Travel and Parking –

<<https://www.cne-siar.gov.uk/roads/>>

ElectricCarHome – Connector Types Explained –

<<https://electriccarhome.co.uk/charging-points/charging-point-connector-types/>>

## Contact Us

For any further information required, please contact:

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