



# Electric Vehicle Jargon Buster

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# Type of electric vehicles

## EV- Electric Vehicle.

Often used to refer to a vehicle which is 100 per cent electric, the term can be extended to describe any vehicle which is predominantly electric.

## PEV- Plug-in Electric Vehicle.

Any type of plug-in electric vehicle which can be charged from a main supply.

## PHEV- Plug-in Hybrid Electric Vehicle.

Any type of plug-in electric vehicle which also has an internal combustion engine that complements or replaces the battery power.

## E-REV - Extended Range Electric Vehicle

Sometimes known as a Range-extended Electric Vehicle (REX), E-REV vehicles have a plug-in battery and electric motor, as well as an internal combustion engine.

## BEV- Battery Electric Vehicle.

An electric vehicle which only uses battery power and is recharged once plugged into a mains supply.

## REX Range - extended Electric Vehicles

Vehicles with a plug-in battery and electric motor, as well as an internal combustion engine.



# Emissions and batteries

## ULEV - Ultra-Low Emission Vehicles

Any car or van emitting 75g/km CO2 or less.

## kWh- Kilowatt-hours

The measure used to describe an electric vehicle's battery capacity. As a general rule, batteries with a higher kWh rating will have a larger capacity and therefore be able to go further.

An example would be the Tesla Model S 75D which has a 350kWh battery, which is an equivalent of 469 horse power and a real-world range of 230 miles.

## WLTP - Worldwide Harmonised Light Vehicle Test Procedure

A way of testing emissions and fuel consumption by using real-world data based on different driving and braking phases.

## SOC - State of Charge

A general term used when referring to a battery's level of charge.

## LIB- Lithium-ion or Li-Ion Battery.

A type of rechargeable battery used in almost all electric vehicles.

## Solid State Batteries

Referring to the latest generation of battery technology, solid state batteries use electrodes and a solid electrolyte with the potential to significantly improve both charge times and vehicle ranges.



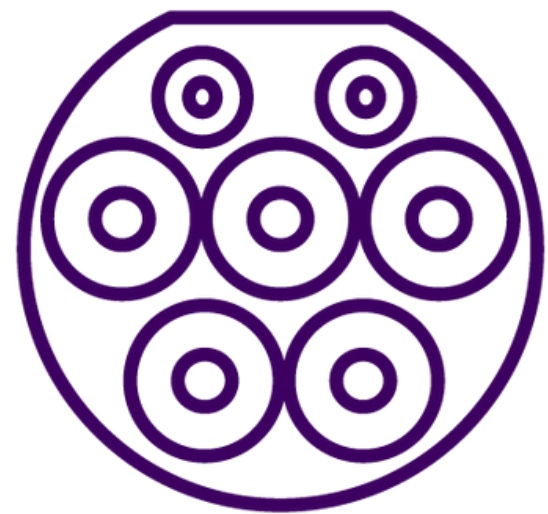
# Charging

## EVHS - Electric Vehicle Homecharge Scheme

A government grant scheme designed to help boost the adoption of electric vehicles by subsidising the cost of purchasing and installing an electric charge point at home.

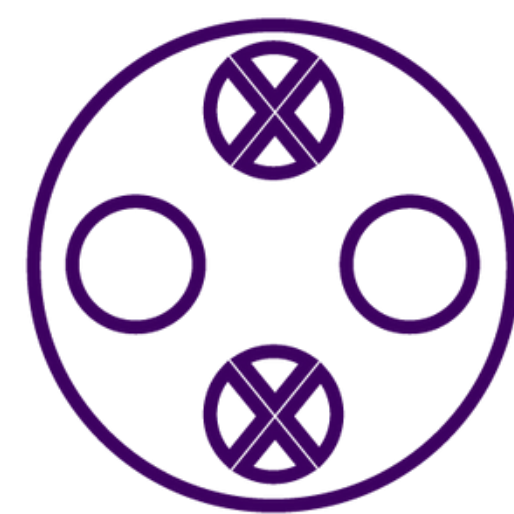
## EVSE - Electric Vehicle Supply Equipment

A unit which recharges electric vehicles. It can also be known as a charging station, recharging point or charge/charging point.



### Type 2

This is the standard for European and Asian vehicles (Nissan Leaf for example) from 2018 onwards. It's by far the most common and can charge at a level of up to 43 kW.



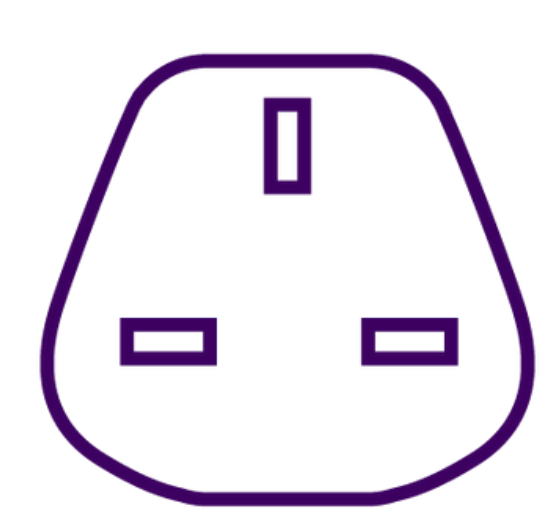
### CHAdeMO- Charge de Move

A Direct Current (DC) charging system used for rapidly charging an EV.



### CCS- Combined Charging Stand

Similar to CHAdeMo, a CCS connector has additional connections on the bottom of the plug and is only used for batteries capable of rapid charging.



### 3 Pin

Although not recommended for regular use, a 3 pin plug is capable of charging an EV when there is no dedicated charging point available.



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