

• HOW DO I CHARGE IT UP?

Most charging is done at home. Many work places are fitting chargers (ask them to do so). There are grants available (OLEV) to cover most of the cost of home chargers, £500 is the grant level. Dealers often include the remainder of the cost, around £250. Fitting must be done by qualified professionals, such as POD Point, Eo charging and many more. You cannot run cables over a pavement or road. Home charging costs your usual home rate per kWh. On economy 7 it is half price at night. If you live in a place where you couldn't use a home charger, you can use public chargers. To find public chargers use the **ZAP MAP** app, get the Zap-map from the app store onto your smartphone, tablet or computer. Its free and tells you where charge points are, get it before you switch, and become familiar with locations.

- **There are now more electric cars charge locations than petrol stations in the UK!**

Zap-Map shows all public charge places in the British Isles. There are several organisations fitting and running chargers. Some you just tap the screen with your credit or debit card, others you need to sign up for online and use an app. For some you purchase an annual card. Prices vary from free, in Scotland, some in Northumberland, and some National Trust properties, to about 30p per kWh. There are 3 speeds **Rapid** (the quickest) which suit long journeys, **Fast...** which are OK if you are visiting a museum, garden, or going for a walk, shopping etc, and **Plug-In** (slow) which are overnight charge at destinations mostly. All have their uses. Rapids are the most expensive, but most useful. Super rapids are just starting to be fitted.

ELECTRIC CAR INFORMATION

In the UK there are 36 million petrol, diesel and hybrid cars contributing to our polluted air and damaging our climate. You can help reduce these problems. Could your next car be an all Electric Vehicle (an EV)? **£3,000** off the RRP of the car and up to £350 towards the installation of your charger. **Road tax is Nil**, there is no congestion charge or clean air zone charge. The fuel, repairs and services are far cheaper.

Why do we not discuss Hybrids - they still rely on burning petrol or diesel, which we no longer need to do. The range with modern electric cars, and rapid growth in charger locations, makes hybrid cars unnecessary.

- **RANGE**

All electric cars have improved greatly in the last decade. The Nissan Leaf is a market leader in its class and the 2019 model has a range around 250 miles, three times the 2015 model's distance (84 miles).

The new Tesla model 3 has around a 250 mile range. The same trend is present in many other brands. The Kia eNiro and the Hyundai Kona both claim a range of around 300 miles. There are many cars in the 200 -300 mile range in 2019.

- **CHOICES**

Here is a list of some of the full electric car models available now or very soon: BMWi3, Hyundai Ioniq, Hyundai Kona electric, Jaguar iPace, Kia eNiro, Nissan Leaf, Renault Zoe, Tesla Model 3, and several earlier more expensive models. VW ID, MG ZS electric coming soon. Some electric cars have reduced prices considerably recently. Others have produced far better cars, for similar prices to older models.

This leaflet is designed for educational purposes only. You should not rely on this information as a substitute for, nor does it replace professional advice.

• SECONDHAND ELECTRIC CAR PRICES:

As with many other items there are often cheaper models and more expensive models in each class of car. Battery pack size, and therefore range are one of the variables to ask about.

- From small city cars under £5000. Then older Nissan Leafs, Renault Zoe's, Citroen eZero's, and Peugeot ions between £5000 and £10 000.
- More recent Leafs and Zoe's and BMWi3 s can be found between £10 - £15 000 .
- Over £20 000 - £30 000 the more recent 40kWh Leaf & 50kWh Zoe are available and an increasing range of new cars as well.

General Dealerships also selling electric cars tend to also have secondhand ones, look these up at local branches.

General Points

- ✓ Ensure battery purchase is included, unless stated otherwise.
- ✓ Ask for a battery health report especially on very old cars.
- ✓ Check battery warranty, 8 years is a good cover, some are 5 years. Newer cars have even longer battery life.
- ✓ Clarify battery pack size, which affects range. On average 1 kWh gives 4 miles.

→ NEW PRICES:

Cheapest: There are a huge range of new electric cars available now and soon. A few for under £20 000, most between £20 000 and £30 000. A significant number are between £30 000 and £40 000. There are the more expensive models above these prices, but cheaper models give a reliable, good range electric car. There are micro, small, family and large electric cars, and vans.

- **FOR MORE ELECTRIC CAR VARIETIES** see the website www.Ev-database.uk it has most models and basic details, and those coming in the next year or so.
- For reviews on individual electric cars being introduced, try www.fullychargedshow.co.uk and the **Fully Charged** podcast.
- **Electric cars for sale, specialist websites:**
www.nextgreencar.com - www.drive-green.co.uk - www.eco-cars.net.

• Renewable Electricity:

Your electric car makes least overall emissions and pollution if you use renewable electricity. Good Energy, Ecotricity, Ovo, Green energy and Octopus supply this. Some have a cheaper tariff designed for electric car charging.

For further information visit: www.ne-electriccars.co.uk