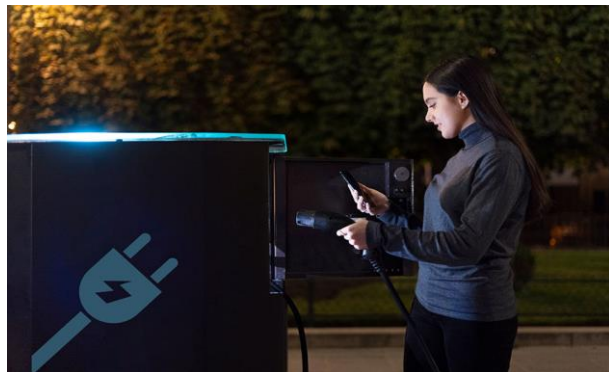


INFOS REGARDING EVs IN CROATIA

OVERVIEW OF THE CROATIAN SITUATION

In 2022, Croatia had more than 3.000 electric cars and 16.000 hybrid cars, making it imperative that there are easy-to-reach EV charging stations accessible for residents and tourists alike.

Croatia has advanced much in recent years in building its EV charging infrastructure. In 2014, the country's public charging stations numbered just 10, according to the Ministry of Environment and Energy. Yet, as of 2021, Croatia had more than 350 public charging stations. In addition, as of 2023, there are approximately 600



Croatian charging stations throughout the country, with a capacity for about 2,000 electric vehicles. EV owners in Croatia can access a wide range of private and public charging alternatives. Nowadays, many hotels and inns provide EV charging as a bonus for visitors, and some companies even offer charging stations for staff. In general, Croatia's growing EV charging infrastructure is encouraging for the nation's future in environmentally friendly transportation. The availability of charging infrastructure will be essential to ensure that drivers can travel quickly and confidently as more and more EVs are put on the road.

THE MOST USED APPS IN CROATIA

1. PLUGSHARE

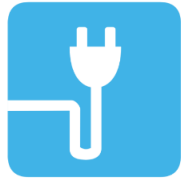
Plugshare is an app that unifies the networks of different charging operators on a single map. The charging points surveyed are over 300 thousand and the wallet system is an available method of payment.



There are also the classic filters such as selecting the model of the vehicle used and asking the app to show only the columns compatible with it, or those of a certain power or linked to a specific network.

One fantastic feature of PlugShare is the availability of private charging stations for usage by EV owners in addition to public charging stations. So if you're on a lengthy road trip and need to locate a charging station in a far-off location, this can be helpful.

2. CHARGEMAP



Chargemap

Open Charge Map is a non-commercial, non-profit, community-based project of drivers.

This means that while the other apps are owned by a company that earns on roaming charges, Open Charge Map is just a map, albeit very complete, made by its users. This characteristic is very useful to find new columns because this app is updated faster than the others.

This app doesn't only offer information regarding Spain, but the entire world (even though the focus is mainly on Europe and North America), making it incredibly useful for longer trips across more than one country.

3. PlugSurfing

PlugSurfing offers an interactive map of stations that includes information about the location, status (whether the connector is functioning or not), and cost (if not free).

Plugsurfing 

You can also use this application to initiate charging. To access this feature, you must have an account connected to a credit card.

Languages: English, Dutch, Finnish, French, German, Italian, Spanish, Norwegian

4. espoTs



Espots is a free mobile application for Android phones that shows all the electric charging stations supported by Hrvatski Telecom.

You may use this app to locate and book EV stations as well as pay for the charging session. It also offers a navigation system leading you to the desired charging station.

Languages: Croatian, Czech, English

PAYMENT METHODS

There are multiple payment methods you can choose from, depending on your preferences and needs. The most common ones are:

- Via the app of the chosen provider
- Via subscription
- Via RFID cards
- Via contactless credit or debit card

RECHARGE PRICES IN CROATIA



Until recent years, the Croatian electric power company, through its Elen brand, offered the possibility of using their filling stations without any additional charge, but then they first started to charge on highways and later expanded to the entire network.

Elena charging price list off highways:

RECHARGE TYPE	AC - Recharging in ports with rated power up to 22,1 kW	DC - Recharging in ports with rated power between 22,2 kW and 50 kW
Price per kWh in the highest tariff period (including VAT)	€0,29 (DKK 2,16)	€0,40 (DKK 2,98)
Price per kWh in the lower rate period (including VAT)	€0,24 (DKK 1,79)	€0,34 (DKK 2,53)
Allowed charging time	180 min	60 min
Exceeding the allowed filling time (including VAT)	€0,06/min (DKK 0,45)	€0,06/min (DKK 0,45)

Price list of charging Elena on the highway:

RECHARGE TYPE	AC- Recharging in ports with rated power up to 21,1 kW	DC - Recharging in ports with rated power between 22,2 kW and 50 kW	DC – Charging at connections with rated power above 50 kW
Price per kWh in the highest tariff period (including VAT)	€0,36 (DKK 2,68)	€0,46 (DKK 3,43)	€0,66 (DKK 4,92)
Price per kWh in the lower rate period (including VAT)	€0,31 (DKK 2,31)	€0,38 (DKK 2,83)	€0,59 (DKK 4,40)
Allowed charging time	180 min	60 min	45 min
Exceeding the allowed filling time (including VAT)	€0,14/min (DKK 1,04)	€0,14/min (DKK 1,04)	€0,14/min (DKK 1,04)

Mol Plugee (Tifon) was the first to introduce charging

The operator Tifon, part of the Hungarian MOL group, was the first to start charging for filling. Their brand for electric chargers is called Mol Plugee. Their charging points can be found in multiple locations. AC and DC chargers are provided everywhere, with the fact that there is also an ultra-fast 160 kW charger at Ravna Gora , i.e. at the new Kupjak rest area.

Mol Plugee – payment via mobile application or portal:

Filling type	AC- Recharging in ports with rated power from 22 to 43 kW	DC - Recharging in ports with rated power between 50 kW and 75 kW	DC – Charging at connections with rated power above 75kW
Registered user - price per kWh (with VAT)	€0,34 (DKK	€0,53 (DKK 3,95)	€0,53 (DKK 3,95)

Unregistered user - price per kWh (with VAT)	€0,40 (DKK	€0,66 (DKK 4,92)	€0,66 (DKK 4,92)
Time fee after 30 min	€0,13/min (DKK 0,97)	€0,13/min (DKK 0,97)	€0,13/min (DKK 0,97)

Hrvatski Telekom network

At the time, Hrvatski Telekom was the most serious in building the network. In addition to being the operator of the filling station network, it is also a filling service provider for other filling station owners. The prices can be set by each bottling plant owner independently, which is why the prices are varied. They range from €0.21/kWh to €0.80/kWh or say €0.04 per charging minute for AC charging. DC charging goes from €0.31/kWh to €0.80/kWh.

If we are talking about the roaming price list of other operators, the prices can be very high. Thus, access to HEP's and Petrol's network goes from €0.53/kWh, all the way up to €1.28/kWh.

*Priserne gælder per august 2023

*Elbilforeningen er ikke ansvarlig for, hvorvidt dokumentets oplysninger er korrekte.