

INFOS REGARDING EVs IN ITALY

OVERVIEW OF THE ITALIAN SITUATION

Unfortunately, the number of electric vehicles present in Italy is lower than in the rest of the EU, meaning that it could be harder for those with EV to travel to travel in the peninsula.

There are about 200.000 EV circulating in Italian cities with a total of 45.210 recharging stations spread across the country. Most of them are available in northern Italy, where there's a higher number of electric cars in use.



70% of the charging stations are on public grounds (such as streets and parking lots) while the remaining 30% are on private property for public use (such as supermarkets and shopping centers).

THE DISTRIBUTION OF THE CHARGING UNITS

56% of the Italian charging stations are in the northern area: Lombardy itself has 17% of all the charging stations of the country, therefore it has 7.657 charging points on its territory. Following Lombardy there's Piedmont and Veneto in northern Italy, going southern we have Emilia-Romagna, Lazio and Tuscany in center Italy, then in southern Italy we have the region of Campania.

The charging points present in these regions combined take up to the 60% of all the ones spread across the country.

If you want to visit the main Italian islands like Sicily and Sardinia you should remain close to the coast where it will be easier to find a charging point.

Southern Italy and the islands are unfortunately less developed than northern Italy, leading to a big closure to innovations such as electric vehicles, even though they're slowly starting to become closer to be as efficient to northern Italy.

ON THE MOTORWAYS

There is a total of 657 charging units for public use solely on Italian motorways, meaning that 1 service station out of 4 has a charging point for electric vehicles.

THE MOST USED APPS IN ITALY

1. BECHARGE



With this app you have the possibility to filter your searches based on the availability and the power of the charging station near you. You can pay by connecting your credit card to the app and taking advantage of subscriptions or prepaid packages, or with pay-as-you-go rates.

2. ENEL X JUICE PASS

This app offers the possibility to plan your trip based on the columns along the way. There is the possibility to insert the model of your electric car and filter the columns by compatibility, this way you won't have the risk of getting to a charging station not suited for you vehicle.



3. NEXTCHARGE



This app offers an estimate of the charging costs per kW and the possibility of booking the column and the function to plan a trip based on the presence, or not, of charging stations along the way.

A detail you'll have to pay attention to is the fact that Nextcharge works with the mechanism of the "wallet", which, in practice, is nothing more than a prepaid account that you will have to recharge every now and then or you will not be able to recharge the auto using just the app or the RFID card of the circuit.

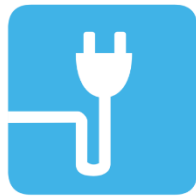
4. PLUGSHARE

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.

5. CHARGEMAP



Chargemap

Open Charge Map is a bit different from the apps showed earlier: it's 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.

[WHAT ARE THE DIFFERENT PAYMENT METHODS?](#)

If you need to charge your car using public charging points you will not be able to pay using cash, there are two types of payment: per single top-up or through subscription.

The top payment methods for single top-up are:

- Via the app you chose to use
- Via credit card
- Via prepaid magnetic card
- Via PayPal and similar
- Via contract with a specific operator

If you want to pay via app, you have to download the charging point's operator's app and make the payment.

If to make the payment you want to use your credit card it will be a bit hard, because not many operators accept it and the fees tend to be quite high (this doesn't necessarily occur with debit cards).

Payments by contract are different from subscriptions, as they allow recharging not only with your operator according to your agreement plan, but you can also recharge your vehicle by using other operators' charging points with a small final fee, as though you were using an ATM.

THE 5 MAIN ITALIAN OPERATORS

It should be noticed that some operators offer a charging service with roaming, therefore increasing the number of their charging points.

The main electronic recharging operators in Italy are:



1. **ENEL X:** the biggest Italian operator with more than 13.000 charging points. Its energy is 100% from renewable sources.

ENEL X's rates:

- €0,40 (DKK 2,98) per kWh for points with a maximum of power of 22 kW.
- €0,50 (DKK 3,73) for those with power up to 50 kW
- €0,79 (DKK 5,89) for ultrafast point up to 350 kW

The subscription(s):

- Flat small (€25 / DKK 186,30 per month for 70 kWh, i.e. €0,36 / DKK 2,68)
- Flat large (€45 / DKK 335,33 per month for 145 kWh, i.e. €0,31 / DKK 2,31)

In addition, there is OpenCharge, which integrates flat home charging (unlimited) with the one that offers recharging by the public points.

- Up to 30 kWh/month for OpenCharge20 (€20 / DKK 149,04)
- 80 kWh/month for OpenCharge 50 (€50 / DKK 372,59)
- 150 kWh/month for OpenCharge80 (€80 / DKK 596,15)

2. **BeCharge:** it has 5.752 recharging points. The consumption rates are €0,45/kWh (DKK 3,35) for AC points and €0,50/kWh (DKK 3,73) for the DC ones.

The monthly flat tariffs are 4:

- Be Electric for €175/500 kWh per month (DKK 1304,07)
- Be Large for €90/250 kWh per month (DKK 670,67)
- Be Regular for €20/50 kWh per month (DKK 149,04)

Unused kWh can't be accumulated and the excess ones are billed on a consumption basis. BeCharge and Enel X have signed an agreement with Telepass for locating the charging point and the paying for the energy.

3. **A2A:** used mostly in Lombardy, with more than 14.000 recharging points spread across Italy, it has both consumption-based tariffs and a flat rate.

The consumption-based tariff:

- €0,37/kWh (DKK 2,76) for 22 kWh columns
- €0,47/kWh (DKK 3,50) for 50 kWh columns

4. **TESLA:** unfortunately, the Tesla operator works for its own EVs only. Vehicle recognition happens without a card or an app and the cost is €0,37/kWh (DKK 2,76) at the more than 300 Supercharge stations available in the whole peninsula, 10 of which have a power up to 250 kW. In addition, there are more than 500 destination chargers, i.e. charging points installed in commercial and accommodation facilities.

5. **HeraRicarica Pubblica:** it manages the supply of energetic and environmental services. The recharging network of Hera is compatible with Enel X's columns and it offers at the same price the Quick and the Fast recharges.

Flat tariff: €20 /50 kWh per month (DKK 149.04)

Consumption-based tariff: €2 per month (DKK 14.9)

*Priserne gælder per august 2023

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

