

INFOS REGARDING EVs IN SWITZERLAND

OVERVIEW OF THE SWISS SITUATION

Thanks to the incentives the Swiss government gave in 2021 in order to reduce CO2 emissions, the number of EVs circulating in Switzerland increased by 18,3%.

As of 2021, the Swiss EV market made up 38.8% of the country's total vehicle market, with battery-electric vehicles (BEVs) capturing 9.9%, plug-in hybrids (PHEVs) 8.3%, and hybrids (HEVs) 20.6%.



While Switzerland may not be among the top countries with the largest EV markets, the country has, over the past decade, demonstrated a rapid-growing adoption of EVs. Another aspect where Switzerland has gained impressive momentum is the size of EV charging stations. The number of installed EV stations within a decade has grown from only 404 in 2012 to over 6,600 stations in 2020 and 7,150 public stations in 2022. With assistive policies set in place, this figure is expected to continue to rise.

THE DISTRIBUTION OF CHARGING UNITS

Switzerland has one of the densest public charging networks for electric cars in Europe. Around 20% of charging transactions take place in public spaces. The charging power (kW) is matched to the typical length of time a vehicle stays at the location. That is why you will find the entire range of possible charging types in the publicly accessible area from 3.7kW ("slow charging") to 150kW ("fast charging").

If you are a member of a charging network of your choice, you can benefit from preferential conditions. Pay attention to the coverage of his charging network (especially for your preferred region) and the type of billing you want. As with your mobile phone subscription, you can also tailor the individual options to your individual needs with your charging network provider. For example, choose green electricity.

LOCATION OF CARGO	CHARGING TIME (for approx. 20kWh = 100km range)	COSTS	INVOICE
public parking lots in parking zones, public parking lots	1-2h (AC/DC 11-22kW)	CHF 0.24 - 0.45 / kWh CHF 0.02 - 0.05 / min	Depending on the charging power, by time, energy or a combination of time and energy. Via RFID (card or badge), app or with the help of a credit card (NFC or QR reader).
while shopping in parking garages of shopping centers, customer parking spaces	1-2h (AC/DC 11-22kW)	usually free	Billing takes place via the cash register system of the parking spaces (parking ticket).
traveling at service areas, rest areas, at strategically important traffic locations	30min (DC 50kW) 10min (DC 150kW) <6min (DC 350kW)	CHF 0.30 - 1.00 / kWh CHF 0.30 - 0.50 / minute	depending on the charging power, by time, energy or a combination of time and energy. Via RFID (card or badge), app or with the help of a credit card (NFC or QR reader).

THE MOST USED APPS IN SWITZERLAND

1. 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.



2. 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. Similarly to Chargemap, this app offers a map with an overview of the entire world.

3. SWISSCHARGE.CH

Thanks to Swisscharge.ch you'll be able to:

- View Europe-wide map with all the available charging stations.
- See in real time if a charging station is currently free, busy or reserved.



- Receive all information about the charging station (charging speed, plug type, charging tariffs, etc.)
- Reserve a charging station exclusively for you before arrival.
- Pay the purchased charging power with your smartphone or credit card.

If you want to use this app it is suggested to register directly from the website (www.swisscharge.ch) before using the app to have a smoother experience and to encounter less difficulties.

WHAT ARE THE DIFFERENT PAYMENT METHODS?



The faster you want to charge the battery, the more expensive it will be. Depending on the charging station, you will pay by unit of time or by kWh. However, the price of a kWh varies immensely: in public car parks, you can expect to pay upwards of 24 centimes per kWh. At motorway service stations, the price can be up to 1 franc per kWh. These differences soon add up, because you may need 20 kWh or more for 100 kilometers, depending on the vehicle. You pay at the end of the charging process by RFID card or credit card, or in some places via a parking ticket or an app.

Important: if you charge your battery at an operator other than the issuer of your charging card, you may pay roaming fees. Check the price of your charging service in the app before you start.

It's a great idea to charge while you shop: supermarkets and shopping centers often provide charging stations in their car parks which are free to customers.

THE MAIN SWISS OPERATORS

Here's the three main operators in Switzerland:

eCarUp: eCarUp is a simple and flexible platform for the control and payment of the charging points. The users can activate the columns via app and thanks to it they can see at any moment how much battery their EV has. Thus, in addition to one's own charging point, one can access about 3,000 public charging stations throughout Switzerland, including from other networks. All manufacturers of charging columns and thus also all available technologies can be included in the system, so the owner is free in choosing the most suitable type of charging.

MOVE: MOVE offers innovative solutions for business customers who want to benefit from a charging infrastructure for electric vehicles via their existing network, headquarters or properties. Here, MOVE operates as a general contractor in the field of electromobility and provides partners and potential customers with extensive consulting services.



Today, the MOVE public charging network has already innovated the market by offering its own numerous MOVE charging stations to electric vehicle drivers in Switzerland and by opening access to a further thousands.

If you want to use MOVE to charge your EV, you'll need a membership or their app, card or badge but don't worry you can also use your credit card.

MOVE light



The subscription-free package for a rare use of public charging stations.

Fixed rate: CHF 0.00 / year

The benefits included

- Activation via the MOVE mobile app
- Charging rates: [MOVE light prices](#)
- Free 24/7 support
- Optional: MOVE RFID card (CHF 9.90)

Register now

MOVE comfort



The subscription with an annual fee that allows the use of reduced prices.

Fixed rate: CHF 59.00 / year

The benefits included

- Activation via the MOVE mobile app
- Charging rate: [MOVE comfort prices](#)
- Free 24/7 support
- MOVE Badge RFID

Register now

MOVE flex



A charging credit of 45kWh per month for use at public MOVE charging stations, offering complete cost management.

Fixed rate: CHF 19.90 / month

The benefits included

- Activation via the MOVE mobile app
- Free 24/7 support
- MOVE Badge RFID
- 45 kWh (≈250 km) included per month

Register now

eCharge: The eCharge Network is NB Power's smart charging program for electric vehicles. The eCharge network includes public level 2 (240 Volt) chargers and DC Fast (400 Volt) chargers located at participating municipalities and businesses throughout the province. The eCharge Network aims to enable electric vehicle (EV) drivers to travel around New Brunswick.

[Level 2 \(240-V\) Station](#)

Rate fee for standard charging station (240 volts)*

Hourly: \$1.50
Session: \$3.00

*Charging fees do not include parking fees associated with charging stations located in a paid parking facility.

DC Fast-Charging (400-V) Station

Rate fee for fast-charging station (400 volts)*

50 kW station – hourly: \$15.00

100 kW station – hourly: \$20.00

**Billed by the minute. Total costs are determined based on the total time connected to the station, not the duration of the charge or the total energy transfer.*

**Charging fees do not include parking fees associated with charging stations located in a paid parking facility.*

*Priserne gælder per august 2023

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