



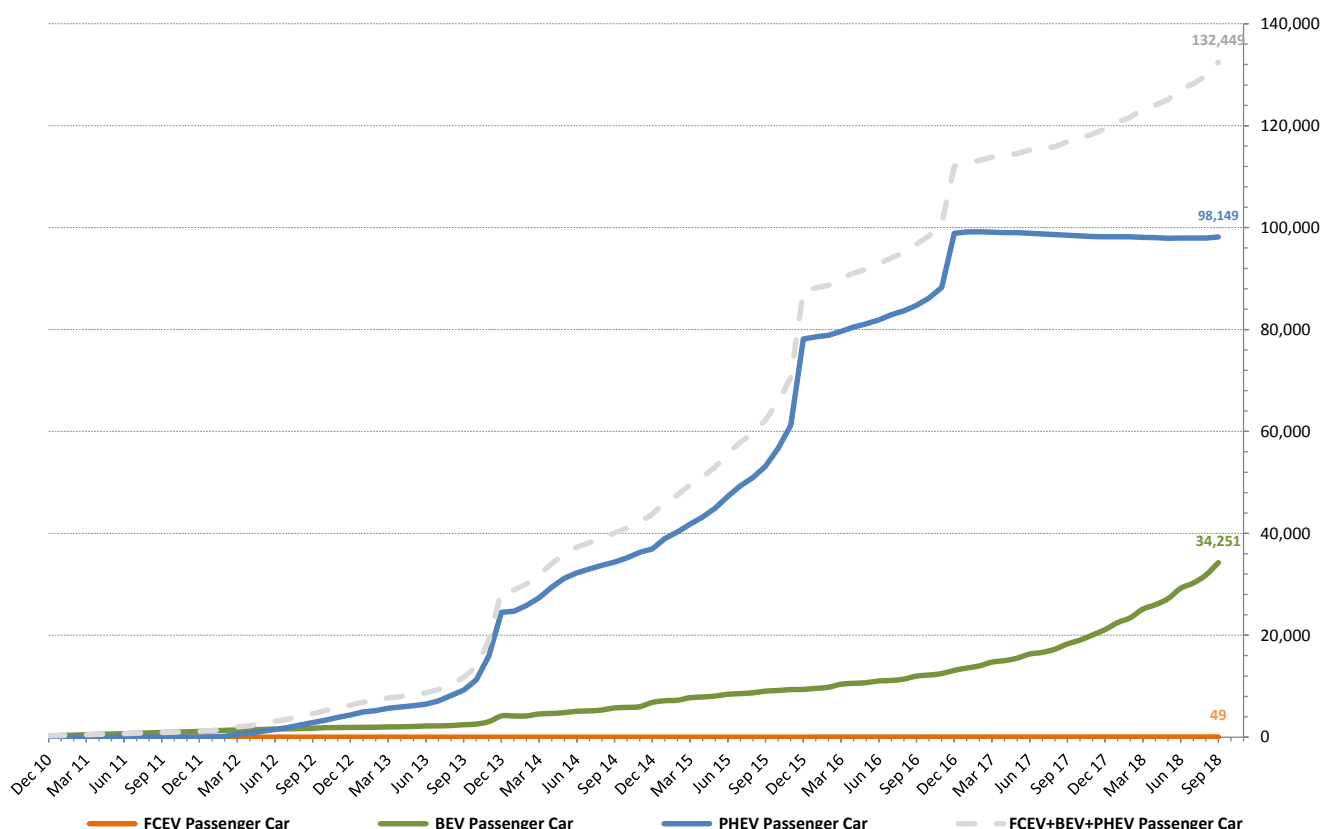
Statistics Electric Vehicles in the Netherlands (up to and including September 2018)

This overview is composed by the Netherlands Enterprise Agency, on the authority of the Ministry of Infrastructure and Water Management. Figures may be copied stating the source (Netherlands Enterprise Agency).¹

Number of electric vehicles registered in The Netherlands (fleet)²

| Type of vehicle / | Number as of | 31-12-2015 | 31-12-2016 | 31-12-2017 | 31-08-2018 | 30-09-2018 |
|--------------------------------------|--------------|----------------|----------------|----------------|----------------|----------------|
| Passenger Car – BEV | | 9,368 | 13,105 | 21,115 | 31,797 | 34,251 |
| Passenger Car – FCEV | | 21 | 30 | 41 | 43 | 49 |
| Passenger Car – PHEV, E-REV | | 78,163 | 98,903 | 98,217 | 97,937 | 98,149 |
| Subtotal | | 87,552 | 112,038 | 119,373 | 129,777 | 132,449 |
| Commercial Car ≤ 3.5 tons | | 1,456 | 1,628 | 2,208 | 2,703 | 2,787 |
| Commercial Car > 3.5 tons | | 50 | 66 | 81 | 96 | 98 |
| Bus | | 94 | 168 | 296 | 361 | 361 |
| Trike / Quadricycle | | 872 | 1,007 | 1,134 | 1,213 | 1,219 |
| Motorbike | | 268 | 316 | 446 | 601 | 600 |
| Light moped 45 km/h | | 3,610 | 3,775 | 4,376 | 4,883 | 4,980 |
| Light moped 25 km/h | | 28,459 | 32,496 | 37,652 | 25,988 | 26,503 |
| Speed Pedelec (>25km/h) ³ | | | | | 15,449 | 15,664 |
| Microcar 45 km/h | | 219 | 258 | 316 | 353 | 357 |
| Total | | 122,584 | 151,752 | 165,882 | 181,424 | 185,018 |

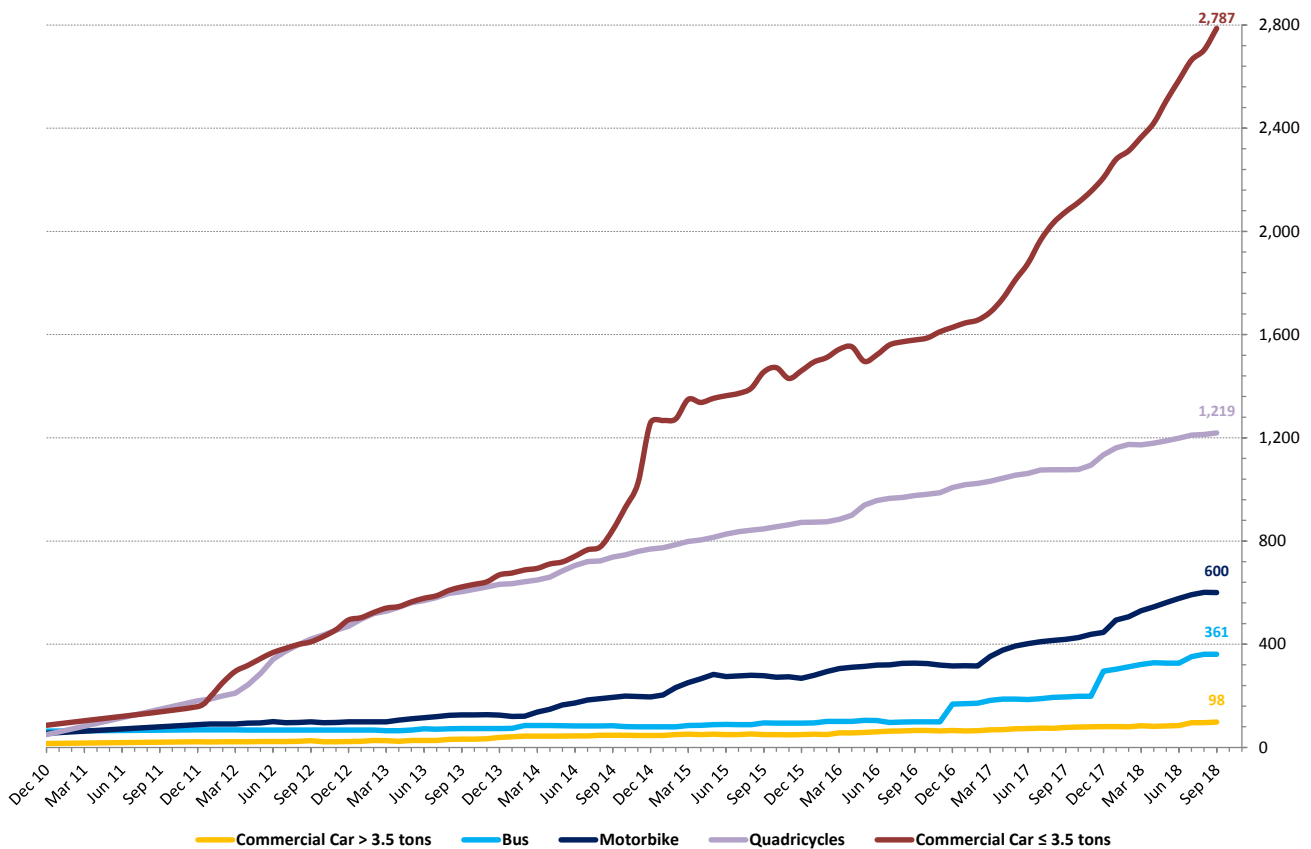
Development in the number of electric vehicles registered in The Netherlands (fleet)²



¹ <https://www.government.nl/ministries/ministry-of-infrastructure-and-water-management>; Due to corrections with retroactive effect and progressive insight, it may occur that numbers on previous months or years in this publication differ from those published before. This overview (and, in case of corrections, updates of this document) can be found at: <https://www.rvo.nl/onderwerpen/duurzaam-ondernemen/energie-en-milieu-innovaties/elektrisch-rijden/stand-van-zaken/cijfers>

² Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl). The numbers represent the **vehicle fleet**, the cumulative registrations on balance: increase due to new registrations and decrease due to export, theft, etc. Corrections of the data with retroactive effect are not taken into account here. [Passenger Car (PHEV, E-REV): full hybrid vehicles excluded; Commercial Car ≤ 3.5 tons: Including: BEV, FCHEV/FCEV; - Commercial Car > 3.5 tons: BEV, FCEV; Bus: BEV, FCEV, Including trolley busses and some hybrid busses.]

³ Since August 2018 we report the number of Speed Pedelecs. In the past this was not possible and these vehicles were reported as light mopeds.



Top 5 models of plug-in hybrid electric vehicles registered in The Netherlands (fleet)²

| Brand/Model | Type of vehicle | Number | Change since last month (MtM) | Since the same month in the previous year (YtY) |
|--------------------------|----------------------|--------|-------------------------------|---|
| Mitsubishi Outlander | Passenger Car (PHEV) | 24,392 | -134 | -954 |
| Volvo V60 | Passenger Car (PHEV) | 15,015 | -120 | -771 |
| Volkswagen Golf | Passenger Car (PHEV) | 10,936 | 2 | 82 |
| Volkswagen Passat | Passenger Car (PHEV) | 8,003 | 12 | 113 |
| Audi A3 Sportback e-tron | Passenger Car (PHEV) | 6,365 | 4 | 226 |

Top 10 models of battery electric vehicles registered in The Netherlands (fleet)²

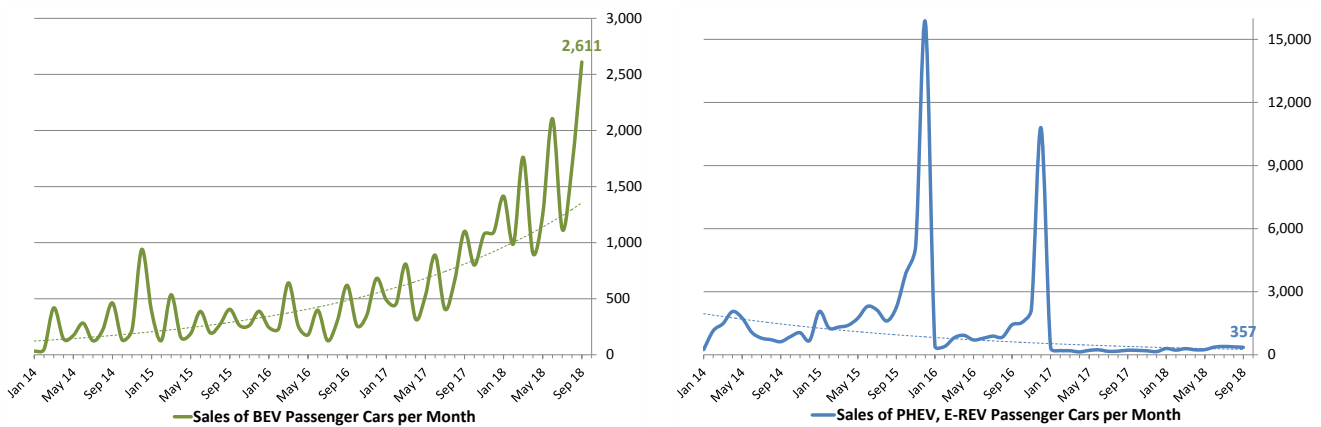
| Brand/Model | Type of vehicle | Number | Change since last month (MtM) | Since the same month in the previous year (YtY) |
|-----------------|---------------------------------|--------|-------------------------------|---|
| Tesla Model S | Passenger Car (BEV) | 11,073 | 958 | 3,761 |
| Nissan LEAF | Passenger Car (BEV) | 4,163 | 284 | 2,050 |
| Tesla Model X | Passenger Car (BEV) | 3,571 | 589 | 2,281 |
| Renault ZOE | Passenger Car (BEV) | 3,189 | 47 | 1,173 |
| BMW I3 | Passenger Car (BEV) | 2,869 | 174 | 1,303 |
| Volkswagen Golf | Passenger Car (BEV) | 2,771 | 48 | 2,122 |
| Hyundai Ioniq | Passenger Car (BEV) | 2,103 | 115 | 1,889 |
| Opel Ampera | Passenger Car (BEV) | 958 | 46 | 880 |
| Renault Kangoo | Commercial Car ≤ 3.5 tons (BEV) | 876 | 22 | 152 |
| Nissan E-NV200 | Commercial Car ≤ 3.5 tons (BEV) | 876 | 30 | 102 |



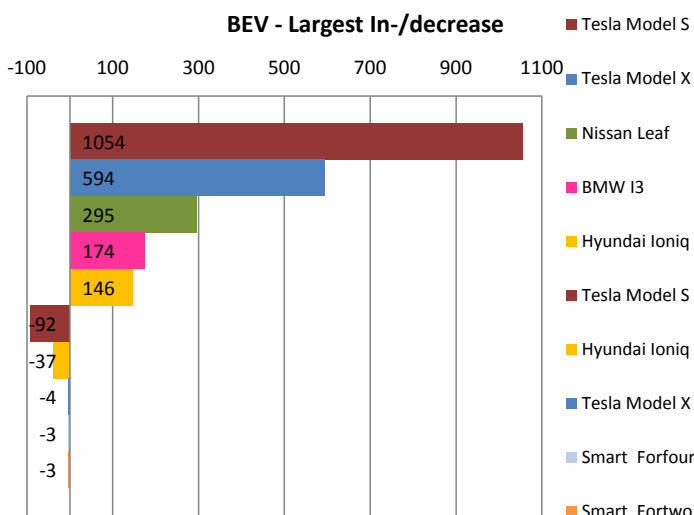
New registrations (sales) of all Passenger Cars and of EV-Passenger Cars⁴

| New registrations (sales) Passenger Cars in period | 2016 | | 2017 | | August 2018 | | September 2018 | | Jan – Sept 2018 | |
|--|---------------|------|---------------|------|---------------|------|----------------|-------|-----------------|------|
| | Registrations | % | Registrations | % | Registrations | % | Registrations | % | Registrations | % |
| Total new registrations | 385,259 | 100% | 418,461 | 100% | 41,355 | 100% | 29,527 | 100% | 362,475 | 100% |
| Of which EV new registrations | 25,989 | 6.7% | 11,072 | 2.6% | 2,062 | 5.0% | 2,968 | 10.1% | 16,641 | 4.6% |
| - Of which BEV | 4,294 | 1.1% | 8,627 | 2.1% | 1,683 | 4.1% | 2,611 | 8.8% | 13,838 | 3.8% |
| - Of which PHEV, E-REV | 21,695 | 5.6% | 2,445 | 0.6% | 379 | 0.9% | 357 | 1.2% | 2,803 | 0.8% |

Development in the number of new registrations (sales) of EV-Passenger Cars³



BEV Passenger Cars with the largest increase and decrease in September 2018⁵



The total increase (new registrations) of BEV passenger cars in September was 2,611. The cars mentioned in the graph represent 87% (2,263) of the total increase.

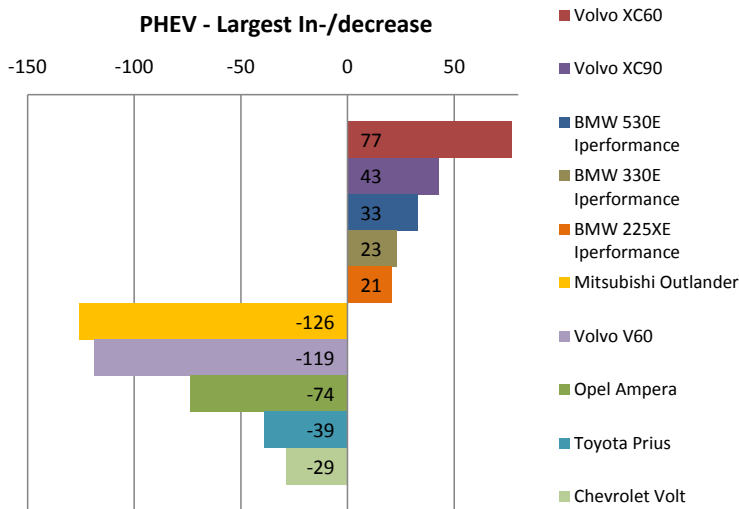
The total decrease (export, theft, destruction) of BEV passenger cars in September was 159. The cars mentioned in the graph represent 87% (139) of the total decrease.

⁴ Source: all Passenger Cars: Bovag/Rai (www.bovag.nl), BEV and PHEV Passenger Cars: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl). This table shows the number of new registrations. This means that these numbers are not on balance / not being corrected for elimination by theft, export, etc. The percentages have been rounded off to the first decimal place.

⁵ Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl).



PHEV Passenger Cars with the largest increase and decrease in September 2018⁵



The total increase (new registrations) of PHEV Passenger Cars in September was 357. The cars mentioned in the graph represent 55% (197) of the total increase.

The total decrease (export, theft, destruction) of PHEV Passenger Cars in September was 436. The cars mentioned in the graph represent 89% (387) of the total decrease.

15 most recent available BEV and PHEV Passenger Car models in The Netherlands⁶

| Brand/Model | EV Type | Electric range | Price | Available since |
|------------------------------|---------|----------------|----------|-----------------|
| Renault Zoe R110 | BEV | 200 – 275 km | € 35,090 | September 2018 |
| Renault Zoe R90 | BEV | 200 – 275 km | € 32,890 | August 2018 |
| Mitsubishi Outlander PHEV | PHEV | 32 – 41 km | € 35,990 | August 2018 |
| Hyundai Kona Electric 64 kWh | BEV | 335 – 460 km | € 39,195 | August 2018 |
| Hyundai IONIQ Plug-in | PHEV | 35 – 48 km | € 29,995 | May 2018 |
| Volvo S90 T8 Twin-Engine | PHEV | 24 – 30 km | € 65,995 | April 2018 |
| Volvo V90 T8 Twin-Engine | PHEV | 23 – 30 km | € 68,995 | April 2018 |
| BMW 225xe iPerformance | PHEV | 22 – 28 km | € 43,565 | April 2018 |
| Volvo XC-60 T8 Twin-Engine | PHEV | 21 – 27 km | € 68,995 | April 2018 |
| Nissan e-NV200 Evalia | BEV | 160 – 215 km | € 41,925 | April 2018 |
| Volvo V60 T8 Twin-Engine | PHEV | 24 – 30 km | € 58,995 | April 2018 |
| Jaguar I-Pace | BEV | 345 – 455 km | € 80,330 | March 2018 |
| Nissan LEAF (40kWh) | BEV | 200 – 280 km | € 34,890 | February 2018 |
| Kia Optima Sportswagon | PHEV | 31 – 41 km | € 42,975 | January 2018 |
| Kia Niro | PHEV | 30 – 40 km | € 34,595 | January 2018 |

BEV and PHEV Passenger Car models expected to be available soon in The Netherlands⁶

| Brand/Model | EV Type | Electric range | Price | To be available in |
|--------------------------------------|---------|----------------|----------|--------------------|
| DS 3 Crossback E-Tense | BEV | 255 – 345 km | € 37,500 | July 2019 |
| Tesla Model 3 | BEV | 305 – 430 km | € 38,000 | June 2019 |
| Mercedes EQC 400 4MATIC | BEV | 320 – 425 km | € 70,000 | June 2019 |
| Tesla Model 3 Long Range Performance | BEV | 375 – 515 km | € 70,000 | March 2019 |
| Kia e-Niro 39 kWh | BEV | 205 – 280 km | € 33,000 | March 2019 |
| Tesla Model 3 Long Range Dual Motor | BEV | 385 – 530 km | € 55,000 | March 2019 |
| Hyundai Kona Electric 39 kWh | BEV | 210 – 290 km | € 35,000 | March 2019 |
| Nissan LEAF E-Plus | BEV | 295 – 400 km | € 40,000 | March 2019 |
| Tesla Model 3 Long Range | BEV | 410 – 565 km | € 50,000 | March 2019 |
| Audi e-tron | BEV | 340 – 455 km | € 84,100 | February 2019 |
| Kia e-Niro 64 kWh | BEV | 325 – 445 km | € 38,000 | December 2018 |
| BMW i3s 120 Ah | BEV | 200 – 275 km | € 45,695 | November 2018 |
| BMW i3 120 Ah | BEV | 195 – 265 km | € 41,995 | November 2018 |

⁶ Source: <https://ev-database.nl>; Electric range: "Indication of real-world range in several situations. Cold weather: 'worst-case' based on -10°C and use of heating. Mild weather: 'best-case' based on 23°C and no use of A/C. The actual range will depend on speed, style of driving, climate and route conditions." (<https://ev-database.uk>).

Export number⁵

| | 2016 | 2017 | August 2018 | September 2018 | Jan-Sept 2018 |
|--|--------------|--------------|-------------|----------------|---------------|
| Passenger Car (BEV) | 545 | 630 | 126 | 157 | 733 |
| Passenger Car (PHEV, E-REV) | 923 | 3,056 | 408 | 431 | 3,106 |
| Commercial Car ≤ 3.5 tons (BEV) ⁷ | 149 | 58 | 2 | 2 | 19 |
| Total | 1,617 | 3,744 | 536 | 590 | 3,858 |

Dutch ambition and realization

| Ambition | | | |
|-------------------------------------|--|--------------------|--------------------------|
| 2020 | 10% of all new passenger cars sold will have an electric powertrain and a plug. ⁸ | | |
| 2025 | 50% of all new passenger cars sold will have an electric powertrain and a plug, and at least 30% of these vehicles (15% of the total) will be fully electric. ⁸ | | |
| 2030 | 100% of all new passenger cars sold will be zero-emission. ⁹ | | |
| Realization ¹⁰ | | | |
| | Passenger Car BEV | Passenger Car PHEV | Passenger Car BEV + PHEV |
| 2014 | 0.8% | 3.2% | 4.0% |
| 2015 | 0.8% | 9.1% | 9.9% |
| 2016 | 1.1% | 5.6% | 6.7% |
| 2017 | 2.1% | 0.6% | 2.6% |
| Jan – Sept 2018 (YtD) ¹¹ | 3.8% | 0.8% | 4.6% |

Number of charging points¹²

| Number installed at | 31-12-2015 | 31-12-2016 | 31-12-2017 | 31-08-2018 | 30-09-2018 |
|---|------------|------------|------------|------------|------------|
| Regular charging points | | | | | |
| Public (24/7 publicly accessible) | 7,395 | 11,768 | 15,288 | 18,501 | 18,760 |
| Semi-public (limited publicly accessible)¹³ | 10,391 | 14,320 | 17,587 | 17,019 | 17,250 |
| Regular Public + Semi-public | 17,786 | 26,088 | 32,875 | 35,520 | 36,010 |
| Fast charging | | | | | |
| Fast charging points - Public and semi-public | 465 | 612 | 755 | 937 | 952 |
| Fast charging locations¹⁴ | | | 178 | 196 | 203 |
| Private charging points¹⁵ | | | | | |
| | 55,000 | 72,000 | 80,000 | | 93,000 |

⁷ Due to corrections the numbers shown are different from those published before. The numbers are approximations because of some car models in the database it is not possible to determine if it is a BEV. Only the vehicles of which we are certain that they are BEV's are taken into account here.

⁸ <http://www.greendeals.nl/wp-content/uploads/2016/04/Green-Deal-Electric-Transport-2016-2020.pdf>

⁹ P. 43: <https://www.kabinetformatie2017.nl/binaries/kabinetformatie/documenten/verslagen/2017/10/10/coalition-agreement-confidence-in-the-future/coalition-agreement-2017-confidence-in-the-future.pdf> <https://www.klimaatkoord.nl/mobiliteit>

¹⁰ Due to corrections with retroactive effect, the realization percentages are a little higher than figures published before 2018. The percentages have been rounded off to the first decimal place.

¹¹ YtD: Year to date refers to the period beginning the first day of the current calendar year up to the most recent date of which data is provided in this document.

¹² Based on data by stichting e-laad, EV-Box B.V., NUON and Essent, The New Motion (data up to 31-10-2012) and Eco-movement (starting with data as of 30-11-2012). Up to 28-02-2014 the assumption is made that charging points from e-laad, Nuon and Essent are public and the others semi-public. As of 31-03-2014 Eco-movement (www.eco-movement.com/www.oplaadpalen.nl) states whether charging points are public or semi-public.

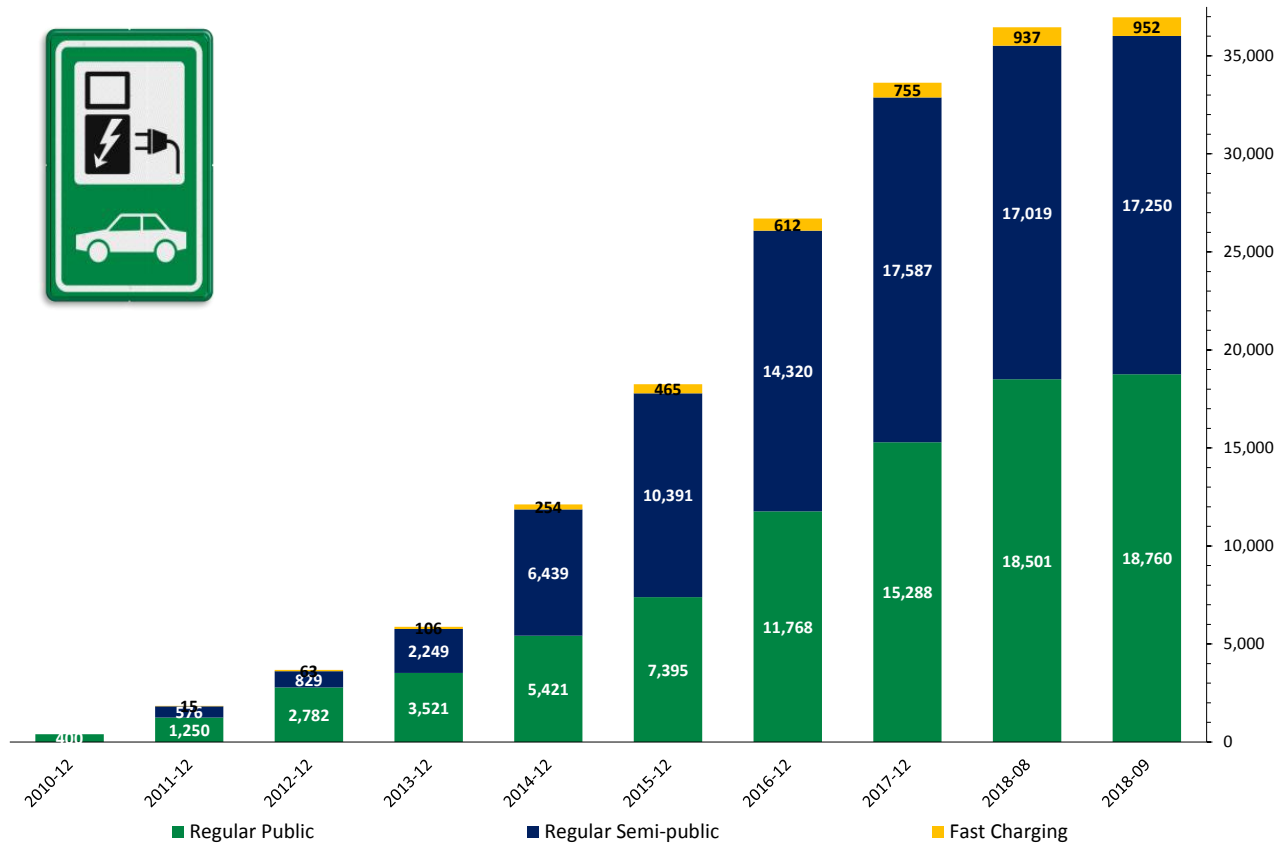
¹³ Semi-public charging points are interoperable and have been reported as accessible by their owners. These charging points can for example be found in shopping malls, office buildings, parking garages and at private persons who have made their charging point accessible to others.

¹⁴ Fast charging location = geographical location consisting of one or more chargers with an electric power of >22kW (mostly 43kW and 50kW).

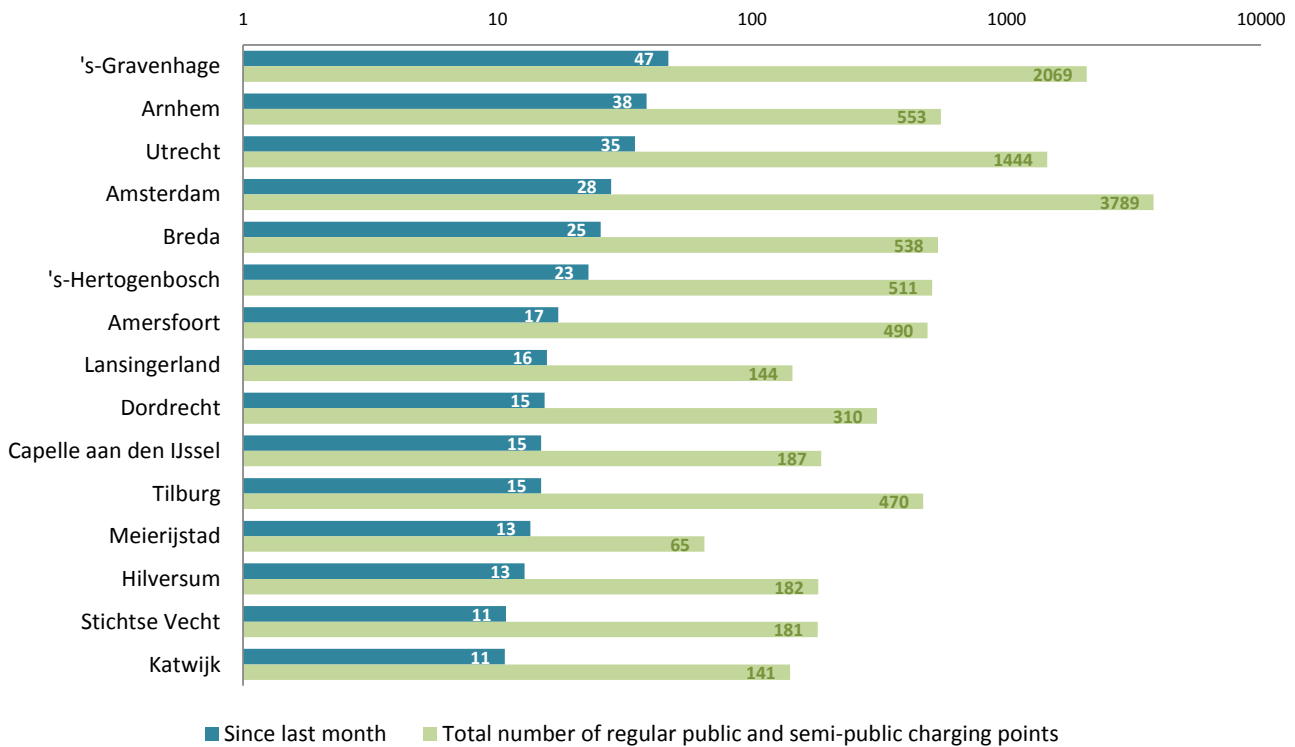
¹⁵ Estimation based on research in 2012. Further estimation and extrapolation for following years. This estimation will be carried out 4 times a year.



Development in the number of charging points¹²



Municipalities with the largest increase in number of charging points since last month¹²



Hydrogen refuelling stations

The Netherlands has 3 public accessible hydrogen refuelling locations: Rhoo (nearby Rotterdam, 350 bar and 700 bar); Helmond (in the south, 350 bar and 700 bar) and Arnhem (in the east, 350 bar). In Delfzijl is a hydrogen refuelling station to service fuel cell electric public transport buses.