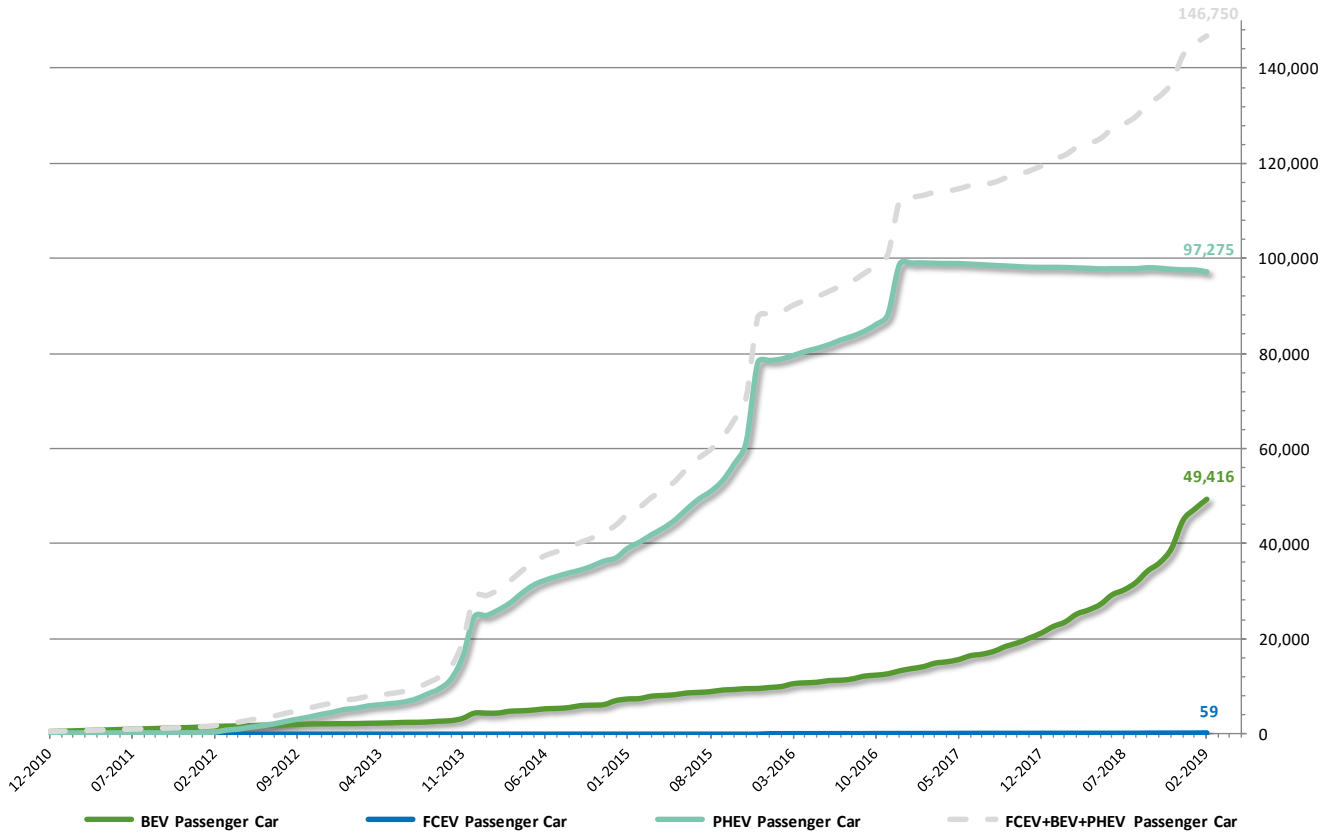
Statistics Electric Vehicles in the Netherlands (up to and including February 2019)

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	31-12-2016	31-12-2017	31-12-2018	31-01-2019	28-02-2019
Passenger Car – BEV	13,105	21,115	44,984	47,381	49,416
Passenger Car – FCEV	30	41	50	52	59
Passenger Car – PHEV	98,903	98,217	97,702	97,659	97,275
Subtotal	**112,038**	**119,373**	**142,736**	**145,095**	**146,750**
Commercial Car ≤ 3.5 tons	1,628	2,208	3,196	3,290	3,427
Commercial Car > 3.5 tons	66	81	94	96	98
Bus	168	296	404	411	411
Trike / Quadricycle	1,007	1,134	1,257	1,269	1,276
Motorbike	316	446	608	612	620
Light moped 45 km/h	3,775	4,376	5,302	5,587	5,818
Light moped 25 km/h	32,496	37,652	26,968	27,035	27,217
Speed Pedelec (>25km/h)[3]			16,312	16,479	16,612
Microcar 45 km/h	258	316	377	385	395
Total	**151,752**	**165,882**	**197,249**	**200,259**	**202,624**

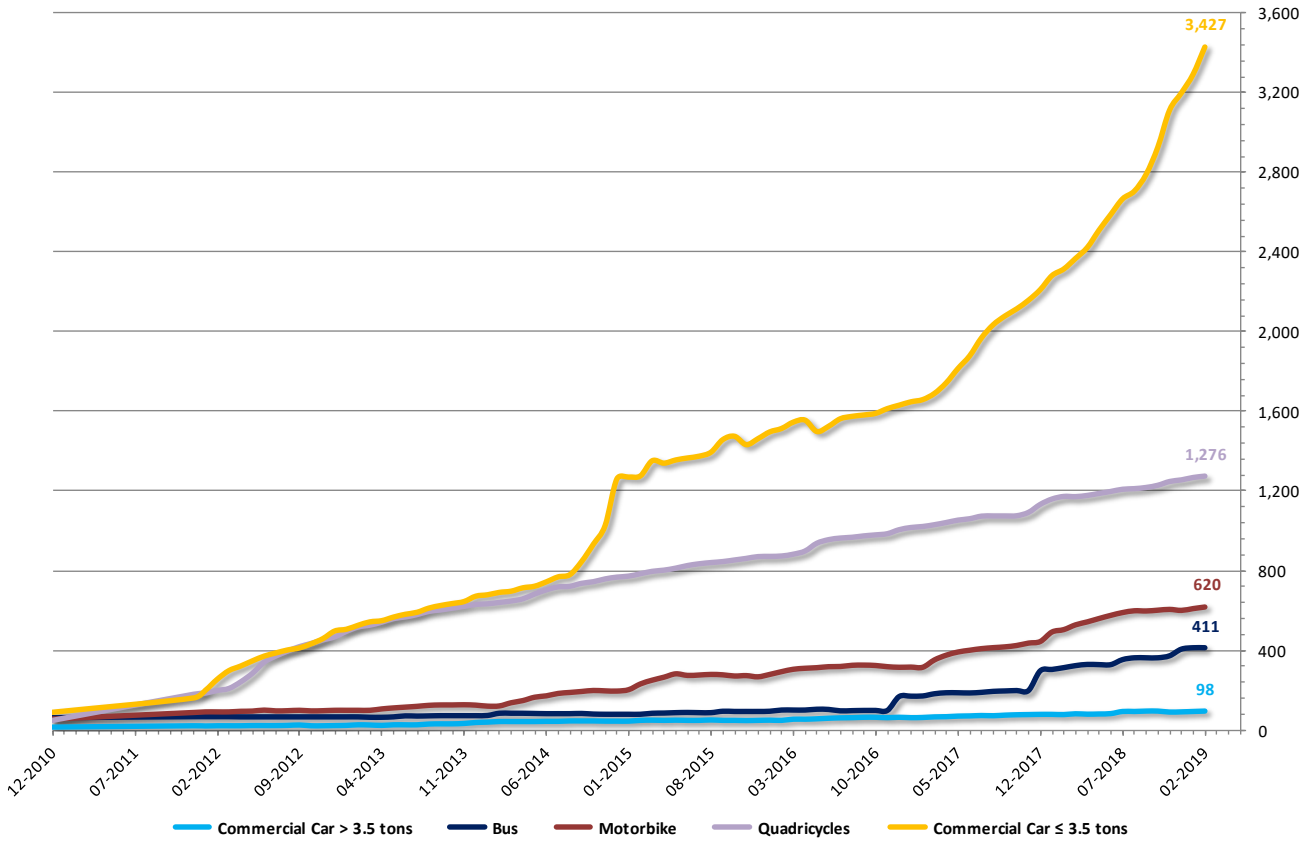
Development in the number of electric vehicles registered in The Netherlands (fleet)[2]



[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, EREV): full hybrid vehicles excluded; Commercial Car ≤ 3.5 tons: Including: BEV, 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 10 models of battery electric vehicles registered in The Netherlands (fleet)[2]

Brand/Model	Type of vehicle	Number	Since last month (MtM)	Since the same month in the previous year (YtY)
Tesla Model S	Passenger Car (BEV)	12,773	-100	4,542
Nissan LEAF	Passenger Car (BEV)	6,082	296	3,793
Tesla Model X	Passenger Car (BEV)	4,632	3	2,881
Volkswagen Golf	Passenger Car (BEV)	4,366	192	2,496
Renault Zoe	Passenger Car (BEV)	3,955	108	1,445
BMW I3	Passenger Car (BEV)	3,739	187	1,717
Jaguar I-Pace	Passenger Car (BEV)	3,514	9	3,514
Hyundai Ioniq	Passenger Car (BEV)	2,646	67	1,222
Hyundai Kona	Passenger Car (BEV)	1,410	323	1,410
Opel Ampera	Passenger Car (BEV)	1,246	53	773

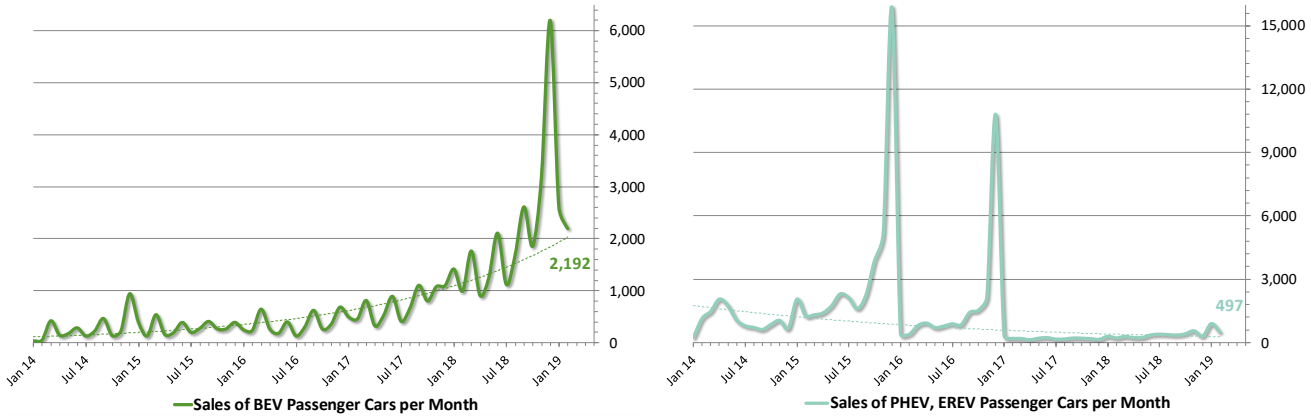
Top 5 models of plug-in hybrid electric vehicles registered in The Netherlands (fleet)[2]

Brand/Model	Type of vehicle	Number	Since last month (MtM)	Since the same month in the previous year (YtY)
Mitsubishi Outlander	Passenger Car (PHEV)	23,943	-224	-1,095
Volvo V60	Passenger Car (PHEV)	13,847	-235	-1,821
Volkswagen Golf	Passenger Car (PHEV)	10,915	-13	19
Volkswagen Passat	Passenger Car (PHEV)	8,065	5	141
Audi A3 Sportback e-tron	Passenger Car (PHEV)	6,441	11	222

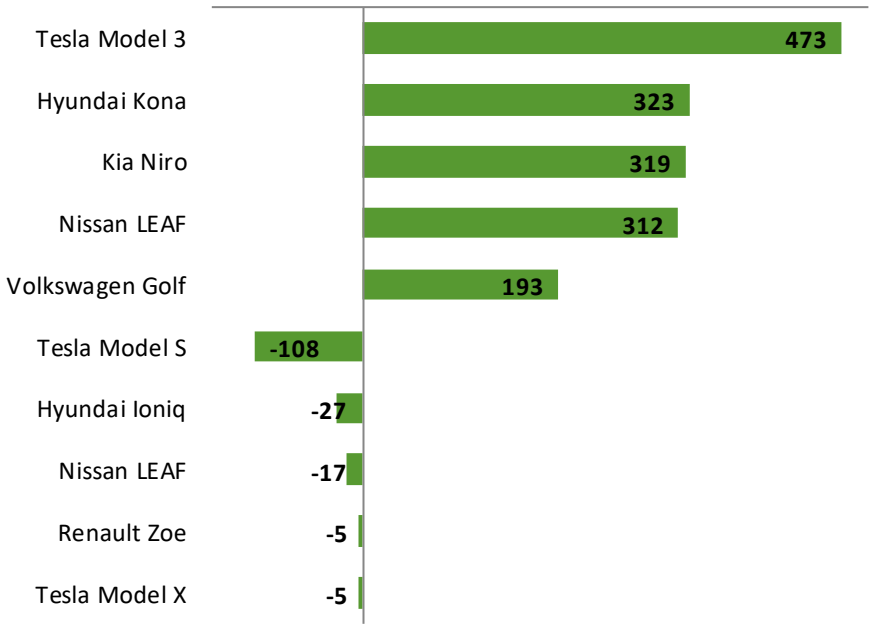
New registrations (sales) of all passenger cars and of electric passenger cars[4]

New registrations (sales) Passenger Cars	2016		2017		2018		January 2019		February 2019	
New registrations	385,259	100%	418,461	100%	447,367	100%	47,701	100%	29,947	100%
Of which EV	25,997	6.7%	11,085	2.6%	29,187	6.5%	3,505	7.3%	2,693	9.0%
- Of which FCEV	8	0.0%	13	0.0%	14	0.0%	2	0.0%	6	0.0%
- Of which BEV	4,294	1.1%	8,627	2.1%	25,065	5.6%	2,601	5.5%	2,192	7.3%
- Of which PHEV	21,695	5.6%	2,445	0.6%	4,094	0.9%	902	1.9%	497	1.7%

Development in the number of new registrations (sales) of electric passenger cars[3]



BEV passenger cars with the largest increase and decrease in February 2019[5]



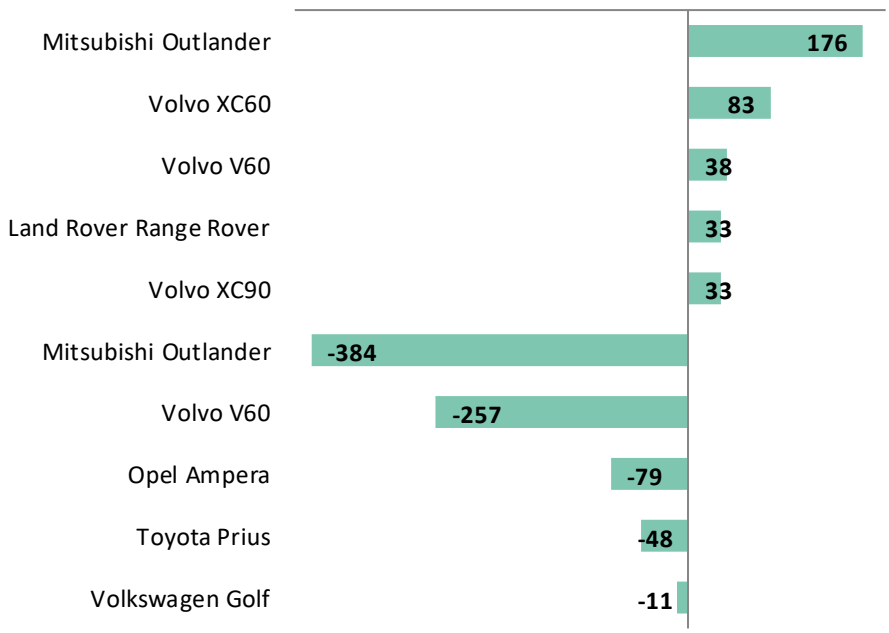
The total increase (new registrations) of BEV passenger cars in February was 2,192. The cars mentioned in the graph represent 74% (1,620) of the total increase.

The total decrease (export, theft, destruction) of BEV passenger cars in February was 173. The cars mentioned in the graph represent 94% (162) 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 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 February 2019[5]



The total increase (new registrations) of PHEV Passenger Cars in February was 497. The cars mentioned in the graph represent 73% (363) of the total increase.

The total decrease (export, theft, destruction) of PHEV Passenger Cars in February was 842. The cars mentioned in the graph represent 93% (779) of the total decrease.

Most recent available BEV passenger car models in The Netherlands[6]

Brand/Model	Electric range	Price	Available since
Tesla Model X Long Range	385 – 510 km	€ 95,820	March 2019
Tesla Model S Long Range	425 – 570 km	€ 91,020	March 2019
Tesla Model X Ludicrous Performance	375 – 495 km	€ 103,720	March 2019
Tesla Model S Ludicrous Performance	415 – 560 km	€ 99,320	March 2019
Tesla Model S Standard Range	335 – 455 km	€ 87,020	March 2019
Audi e-tron 55 quattro	320 – 425 km	€ 84,100	March 2019
Tesla Model 3 Long Range Performance	385 – 535 km	€ 67,618	February 2019
Tesla Model 3 Long Range Dual Motor	395 – 550 km	€ 56,618	February 2019
Kia e-Niro 64 kWh	325 – 445 km	€ 42,510	December 2018
BMW i3s 120 Ah	195 – 265 km	€ 45,693	October 2018
BMW i3 120 Ah	200 – 275 km	€ 41,994	October 2018
Smart EQ forfour	80 – 105 km	€ 24,050	September 2018
Renault Zoe R110	200 – 275 km	€ 35,090	September 2018
Renault Zoe R90	200 – 275 km	€ 32,890	August 2018
Hyundai Kona Electric 64 kWh	335 – 460 km	€ 39,195	August 2018
Smart EQ fortwo cabrio	80 – 105 km	€ 27,043	July 2018
Smart EQ fortwo coupe	85 – 120 km	€ 23,760	July 2018
Jaguar I-Pace	325 – 430 km	€ 80,330	June 2018
Nissan e-NV200 Evalia	160 – 215 km	€ 41,990	April 2018
Nissan LEAF (40kWh)	200 – 280 km	€ 36,890	February 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). Range estimation is based on a combination of vehicle use in city and highway. Both in cold and mild weather.

BEV passenger car models expected to be available soon in The Netherlands[6]

Brand/Model	Electric range	Price	To be available in
Polestar 2	375 – 515 km	€ 60,000	March 2020
Sono Sion	190 – 260 km	€ 26,000	November 2019
Hyundai IONIQ Gen 2 Electric	215 – 305 km	€ 35,000	September 2019
Peugeot e-208 GT	260 – 360 km	€ 32,500	September 2019
Renault Zoe Gen 2	305 – 420 km	€ 37,500	September 2019
Kia e-Soul 64 kWh	310 – 425 km	€ 40,000	September 2019
Hyundai Kona Electric 39 kWh	210 – 290 km	€ 35,000	September 2019
Kia e-Niro 39 kWh	200 – 275 km	€ 37,500	September 2019
Tesla Model 3 Mid Range	330 – 465 km	€ 50,000	September 2019
DS 3 Crossback E-Tense	240 – 325 km	€ 37,500	September 2019
Tesla Model 3 Standard Range	280 – 395 km	€ 41,500	September 2019
Mercedes EQC 400 4MATIC	305 – 400 km	€ 80,000	July 2019
Nissan LEAF E+	300 – 410 km	€ 43,000	June 2019

Export[5]

	2016	2017	2018	January 2019	February 2019
Passenger Car (BEV)	545	630	1,460	170	169
Passenger Car (PHEV)	923	3,056	5,088	906	839
Commercial Car ≤ 3.5 tons (BEV)[7]	149	58	30	1	10
Total	**1,617**	**3,744**	**6,548**	**1,077**	**1,018**

Shared cars[8]

	2016	2017	2018
Shared cars (all fuels)	25,128	30,697	41,000
People sharing cars	n.a.	n.a.	400,000
Share of electric cars (BEV and PHEV) in total number of shared cars	4.5%	4.1%	6.5%

Dutch ambition and realization

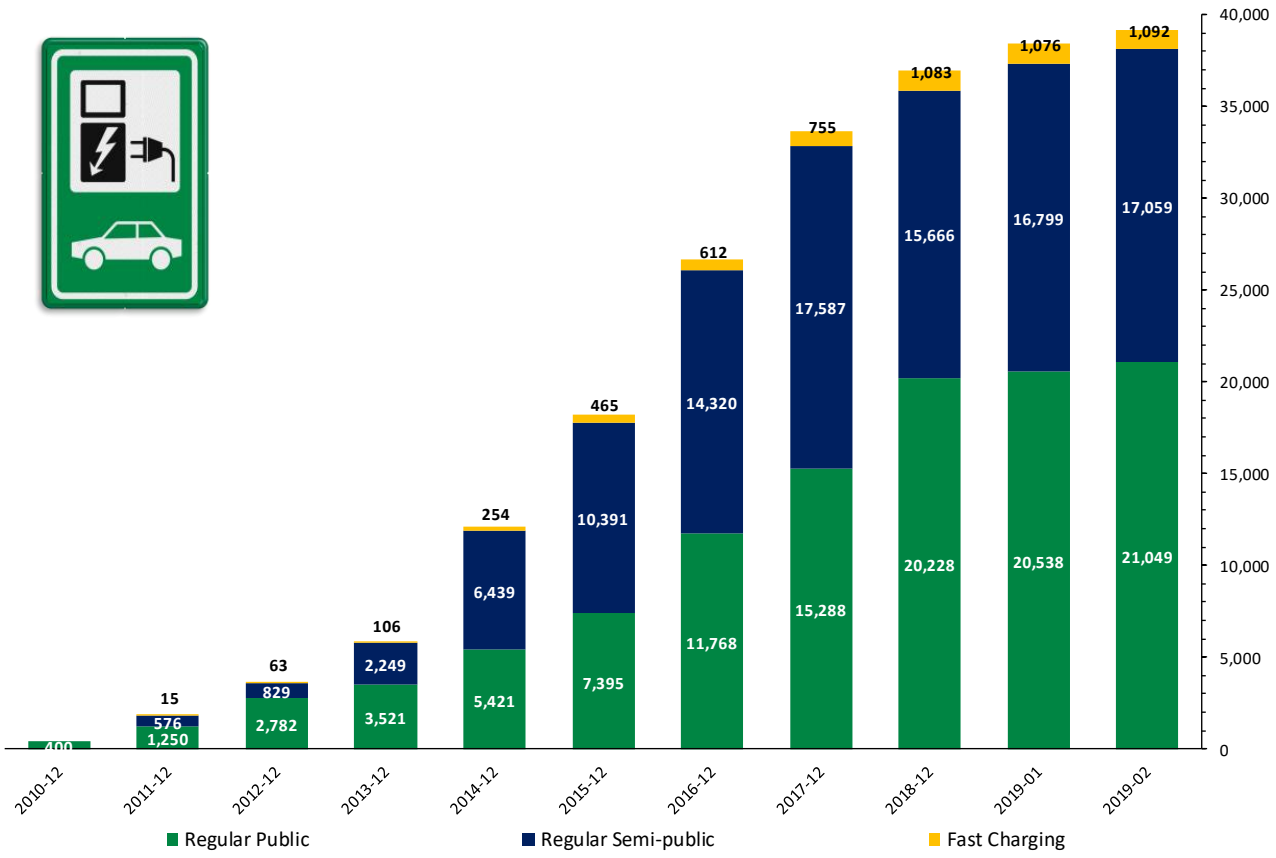
Ambition					
2020	10% of all new passenger cars sold will have an electric powertrain and a plug.[9]				
2025	50% of all new passenger cars sold will have an electric powertrain and a plug, and at least 30% of these vehicles (15% of the total) will be fully electric.[9]				
2030	100% of all new passenger cars sold will be zero-emission.[10]				
Realization[11]					
	Passenger Car BEV	Passenger Car FCEV	Zero emission	Passenger Car PHEV	BEV + FCEV + PHEV
2014	0.8%	0.0%	0.8%	3.2%	4.0%
2015	0.8%	0.0%	0.8%	9.1%	9.9%
2016	1.1%	0.0%	1.1%	5.6%	6.7%
2017	2.1%	0.0%	2.1%	0.6%	2.6%
2018	5.6%	0.0%	5.6%	0.9%	6.5%
2019 (YtD)	6.2%	0.0%	6.2%	1.8%	8.0%

[7] Due to corrections the numbers shown are different from those published before. The numbers are approximations because in the data source for some car models 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] https://www.crow.nl/dashboard-autodelen/home The numbers are determined in spring each year.
[9] http://www.greendeals.nl/wp-content/uploads/2016/04/Green-Deal-Electric-Transport-2016-2020.pdf
[10] P. 43: https://www.kabinetsformatie2017.nl/binaries/kabinetsformatie/documenten/verslagen/2017/10/10/coalition-agreement-confidence-in-the-future/coalition-agreement-2017-confidence-in-the-future.pdf https://www.klimaatakkoord.nl/mobiliteit
[11] 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. 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.

Number of charging points[12]

Number installed at	31-12-2016	31-12-2017	31-12-2018	31-01-2019	28-02-2019
Regular charging points					
Public (24/7 publicly accessible)	11,768	15,288	20,228	20,538	21,049
Semi-public (limited publicly accessible)[13]	14,320	17,587	15,666	16,799	17,059
Regular Public + Semi-public	26,088	32,875	35,894	37,337	38,108
Fast charging					
Fast charging points - Public and semi-public	612	755	1,083	1,076	1,092
Fast charging locations[14]		178	186	189	195
Private charging points[15]					
	72,000	80,000	100,000		

Development in the number of charging points[12]



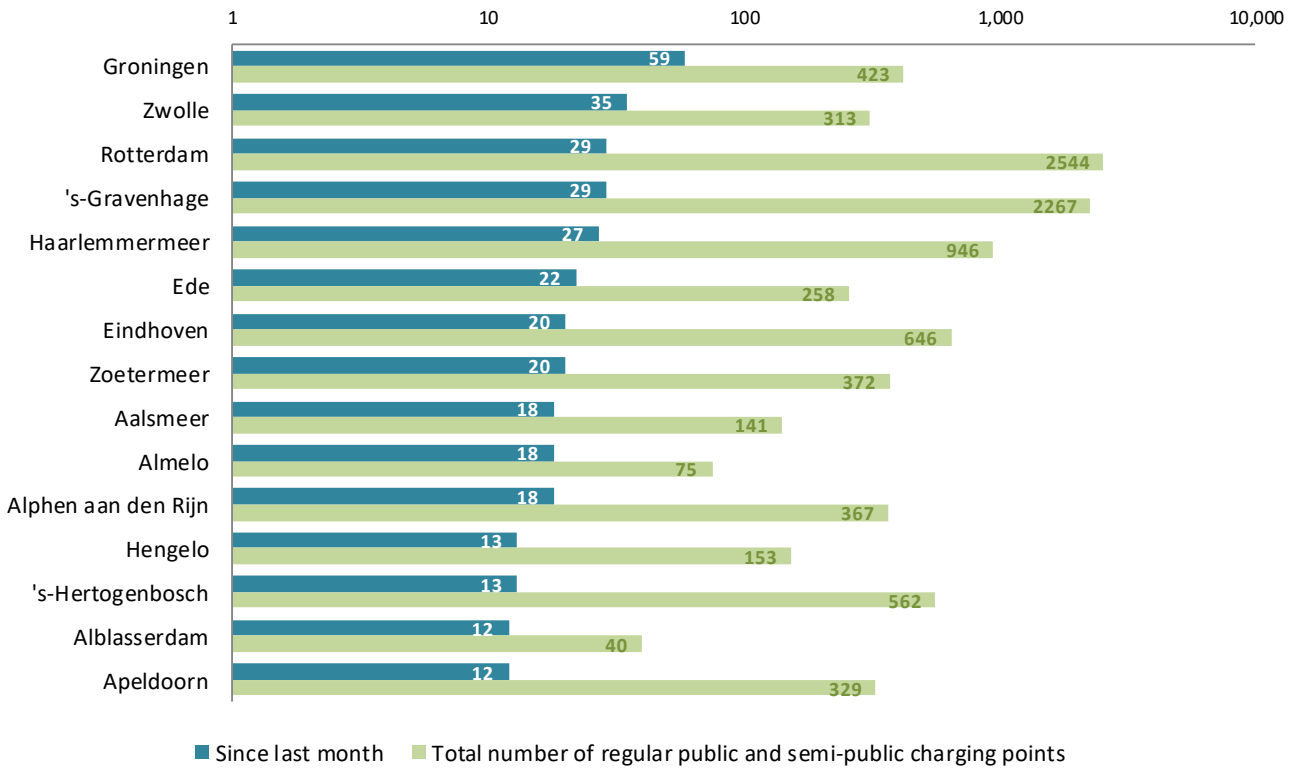
[12] Based on data by stichting e-laad, EV-Box B.V., NUON and Essent, The New Motion (data up to 31-10-2012) and Eco-movement (starting with data as of 30-11-2012). Up to 28-02-2014 the assumption is made that charging points from e-laad, Nuon and Essent are public and the others semi-public. As of 31-03-2014 Eco-movement (www.eco-movement.com/www.oplaadpalen.nl) states whether charging points are public or semi-public.
The number of charging points reported are in fact the number of charging station connectors (sockets/plugs). In practice the number of charging points and the number of connectors (sockets/plugs) are equal, except in the case of fast charging stations with 3 connectors, because not more than 2 can be active at the same time (approx. 800 connectors of which 2/3 (533) can be simultaneously active).

[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.

Municipalities with the largest increase in number of charging points since last month [12]



Hydrogen refuelling stations

The Netherlands has 3 public accessible hydrogen refuelling locations: Rhoon (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.