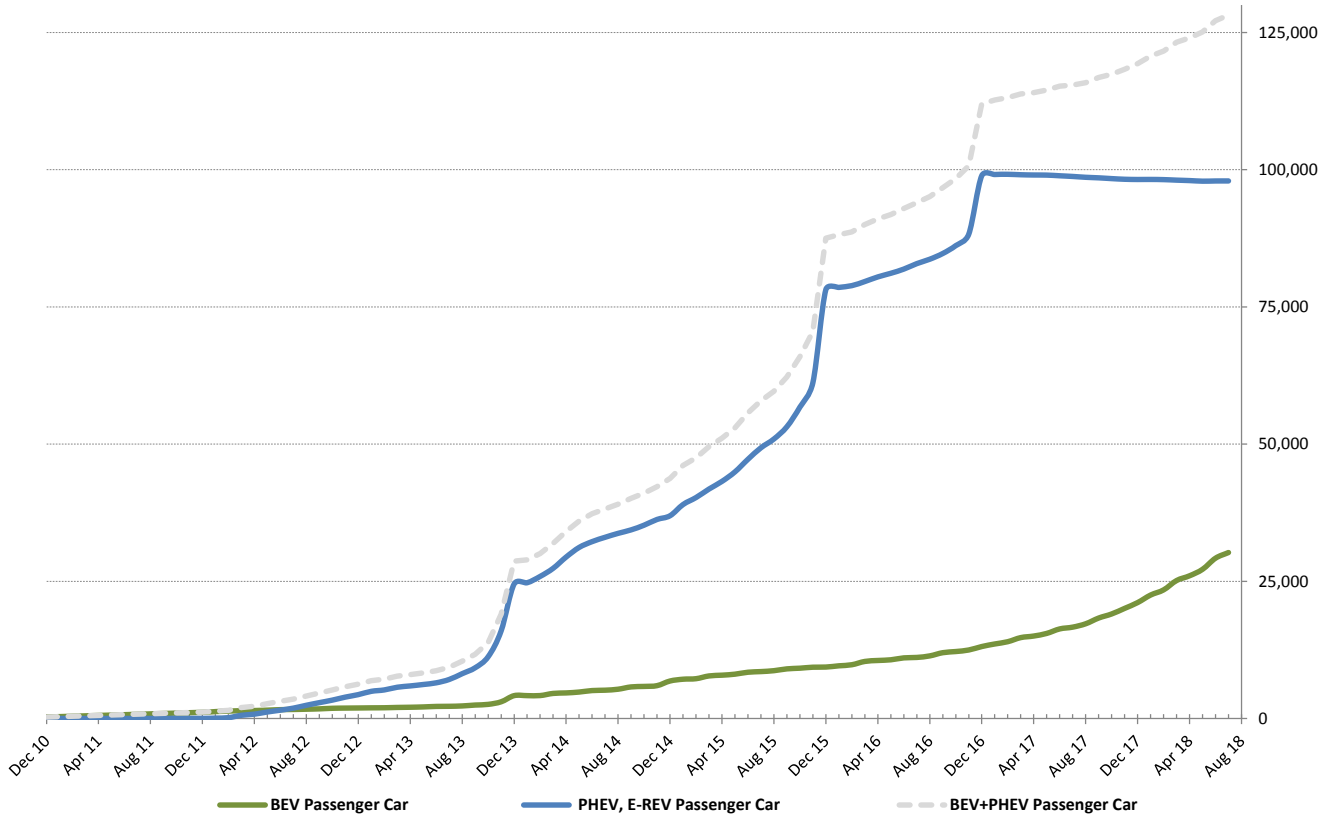
Statistics Electric Vehicles in the Netherlands (up to and including July 2018)

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 on the road in The Netherlands (fleet)[2]

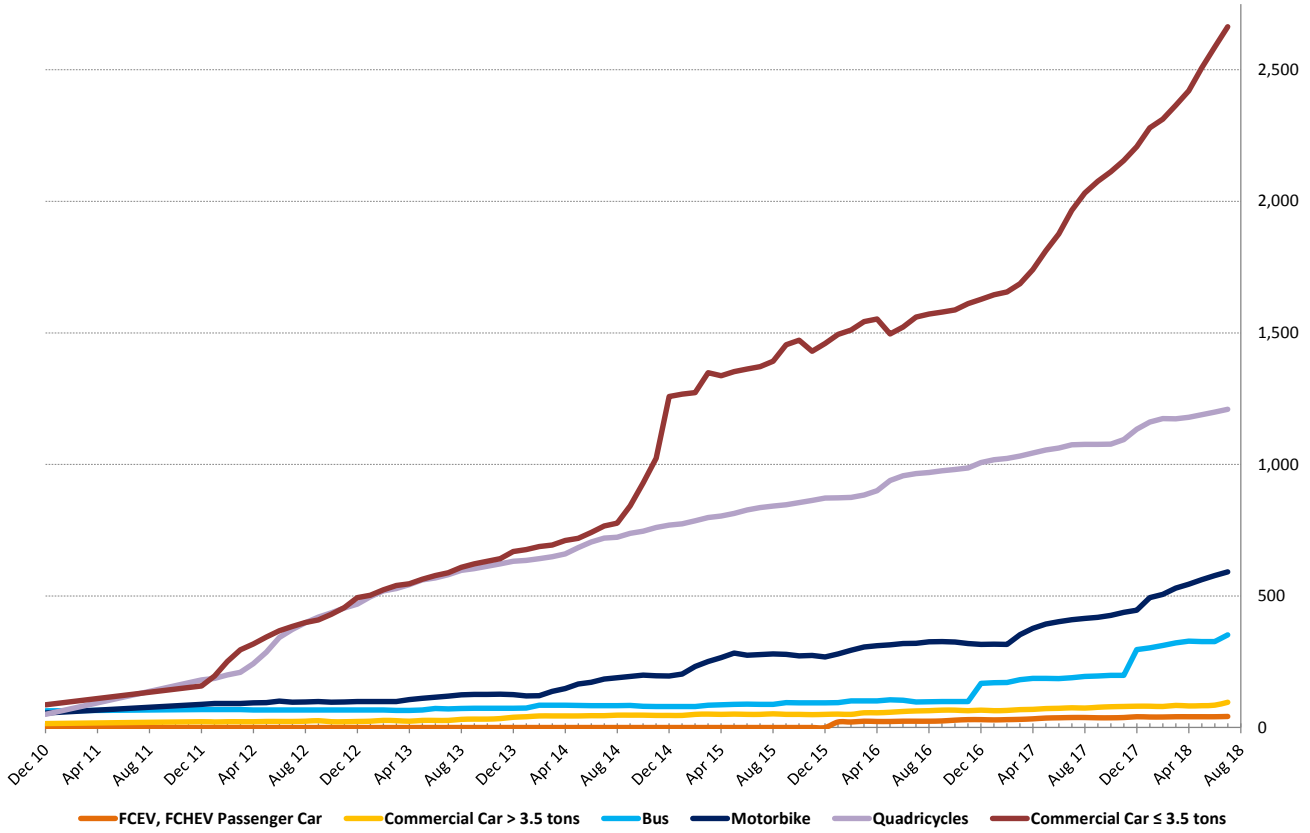
Type of vehicle / Number as of	31-12-2015	31-12-2016	31-12-2017	30-06-2018	31-07-2018
Passenger Car – BEV	9,368	13,105	21,115	29,210	30,237
Passenger Car – PHEV, E-REV	78,163	98,903	98,217	97,946	97,950
Passenger Car – FCEV	21	30	41	41	42
Subtotal	**87,552**	**112,038**	**119,373**	**127,197**	**128,229**
Commercial Car ≤ 3.5 tons	1,456	1,628	2,208	2,586	2,664
Commercial Car > 3.5 tons	50	66	81	85	96
Bus	94	168	296	327	352
Trike / Quadricycle	872	1,007	1,134	1,199	1,210
Motorbike	268	316	446	578	592
Subtotal	**90,296**	**115,223**	**123,538**	**131,972**	**133,143**
Light moped 45 km/h	3,610	3,775	4,376	5,263	5,355
Light moped 25 km/h	28,459	32,496	37,652	39,606	40,034
Microcar 45 km/h	219	258	316	344	351
Total	**122,584**	**151,752**	**165,882**	**177,185**	**178,883**

Development in the number of electric vehicles on the road in the Netherlands (fleet)[2]



[1] https://www.rvo.nl/onderwerpen/duurzaam-ondernemen/energie-en-milieu-innovaties/elektrisch-rijden/stand-van-zaken/cijfers; https://www.government.nl/ministries/ministry-of-infrastructure-and-water-management; Due to corrections with retroactive effect in the data of RDW, Bovag/Rai and progressive insight, it may occur that numbers on previous months or years in this publication differ from those published before.

[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 (E-REV, PHEV): full hybrid vehicles excluded; Commercial Car ≤ 3.5 tons: Including: BEV, FCHEV and FCEV; Commercial Car > 3. 5 tons: BEV, FCEV; Bus: BEV, FCEV, Including trolley busses and some hybrid busses.]



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

Brand/Model	Type of vehicle	Number	Change since last month (MtM)	Change in last 12 months (YtY)
Mitsubishi Outlander	Passenger Car (PHEV)	24,635	-108	-806
Volvo V60	Passenger Car (PHEV)	15,283	-107	-518
Volkswagen Golf	Passenger Car (PHEV)	10,934	7	96
Volkswagen Passat	Passenger Car (PHEV)	7,977	13	97
Audi A3	Passenger Car (PHEV)	6,336	16	209

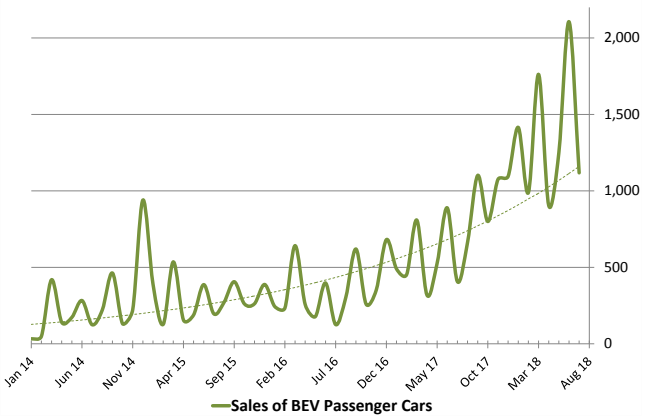
Top 10 models of battery electric vehicles on the road in The Netherlands (fleet)[2]

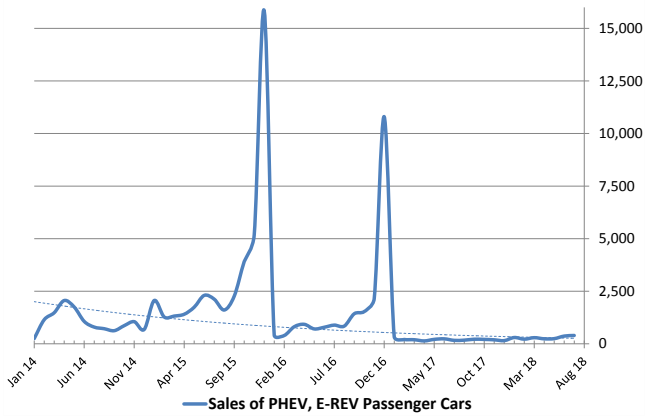
Brand/Model	Type of vehicle	Number	Change since last month (MtM)	Change in last 12 months (YtY)
Tesla Model S	Passenger Car (BEV)	9,778	117	2,772
Nissan Leaf	Passenger Car (BEV)	3,563	212	1,489
Renault ZOE	Passenger Car (BEV)	3,089	96	1,133
Tesla Model X	Passenger Car (BEV)	2,781	75	1,736
Volkswagen Golf	Passenger Car (BEV)	2,603	181	2,075
BMW I3	Passenger Car (BEV)	2,568	119	1,087
Hyundai Ioniq	Passenger Car (BEV)	1,853	88	1,659
Renault Kangoo	Commercial Car ≤ 3.5 tons (BEV)	837	25	116
Nissan E-NV200	Commercial Car ≤ 3.5 tons (BEV)	831	7	74
Opel Ampera	Passenger Car (BEV)	820	61	761

New registrations (sales) of all Passenger Cars and of EV-Passenger Cars[3]

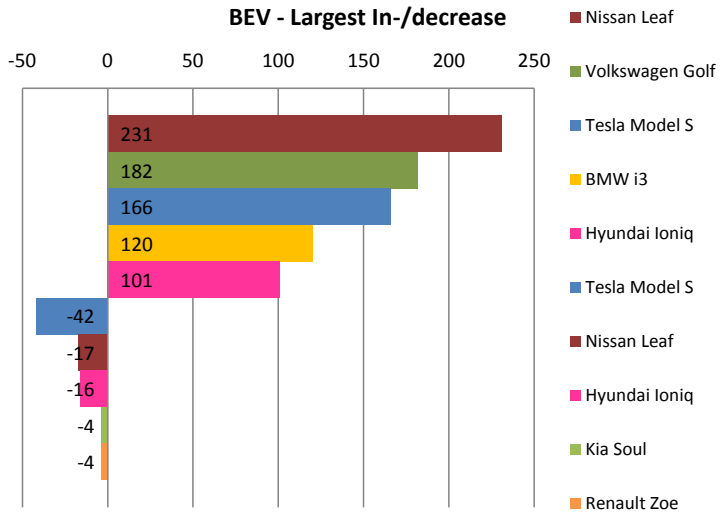
New registrations (sales) Passenger Cars in period	2015		2016		2017		June 2018		July 2018	
Total new registrations	452,242	100%	385,259	35,410	418,461	100%	47,117	100%	36,263	100%
Of which EV new registrations	44,601	9.9%	25,989	6.7%	11,072	2.6%	2,475	5.3%	1,515	4.2%
- Of which BEV	3,570	0.8%	4,294	1.1%	8,627	2.1%	2,106	4.5%	1,118	3.1%
- Of which E-REV, PHEV	41,031	9.1%	21,695	5.6%	2,445	0.6%	369	0.8%	397	1.1%

Development in the number of new registrations (sales) of EV-Passenger Cars[3]





BEV Passenger Cars with the largest increase and decrease in July 2018[4]

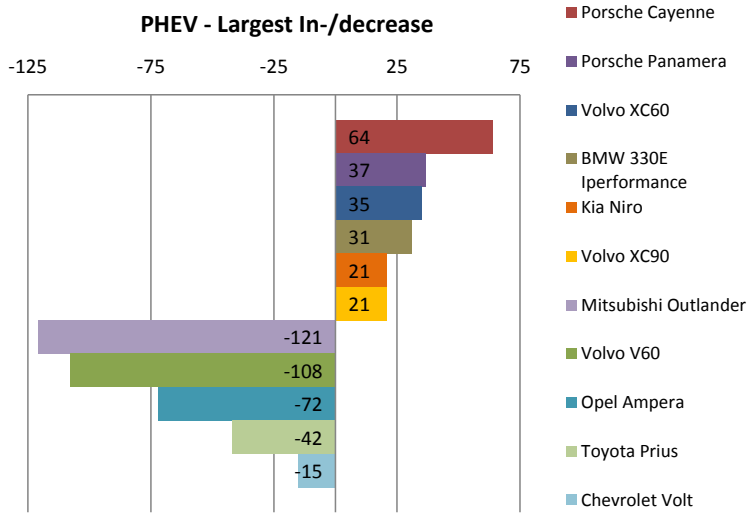


The total increase (new registrations) of BEV passenger cars in July was 1,118. The cars mentioned in the graph represent 72% (800) of the total increase.

The total decrease (export, theft, destruction) of BEV passenger cars in July was 92. The cars mentioned in the graph represent 90% (83) of the total decrease.

[3] 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.
[4] Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl).

PHEV Passenger Cars with the largest increase and decrease in July 2018[4]



The total increase (new registrations) of PHEV Passenger Cars in July was 397. The cars mentioned in the graph represent 53% (209) of the total increase.

The total decrease (export, theft, destruction) of PHEV Passenger Cars in July was 394. The cars mentioned in the graph represent 91% (358) of the total decrease.

14 most recent available BEV and PHEV Passenger Car models in The Netherlands[5]

Brand/Model	EV Type	Electric range	Price	Available since
Mitsubishi Outlander PHEV	PHEV	26 – 50 km	€ 35,990	August 2018
Hyundai Kona Electric 64 kWh	BEV	280 – 595 km	€ 39,195	August 2018
Hyundai Kona Electric 40 kWh	BEV	170 – 365 km	€ 37,500	July 2018
Renault Zoe R110	BEV	175 – 380 km	€ 34,000	July 2018
Hyundai IONIQ Plug-in	PHEV	30 – 60 km	€ 29,995	May 2018
Nissan e-NV200 Evalia	BEV	130 – 285 km	€ 41,925	April 2018
Jaguar I-Pace	BEV	285 – 585 km	€ 80,330	March 2018
Nissan Leaf (40kWh)	BEV	170 – 360 km	€ 34,890	February 2018
Kia Niro	PHEV	25 – 50 km	€ 34,595	January 2018
Kia Optima Sportswagon	PHEV	26 – 50 km	€ 42,975	January 2018
BMW i3s Range Extender	PHEV	105 – 225 km	€ 49,120	November 2017
BMW i3 Range Extender	PHEV	110 – 240 km	€ 45,433	November 2017
Kia Soul EV	BEV	120 – 270 km	€ 36,335	October 2017
BMW i3s	BEV	115 – 255 km	€ 44,081	October 2017

BEV and PHEV Passenger Car models expected to be available soon in The Netherlands[5]

Brand/Model	EV Type	Electric range	Price	To be available in
Tesla Model 3	BEV	265 – 540 km	€ 38,000	June 2019
BMW i3 120 Ah	BEV	160 – 345 km	€ 45,000	April 2019
Nissan Leaf E-Plus	BEV	245 – 50 km	€ 40,000	March 2019
Hyundai Kona Electric 39 kWh	BEV	175 – 380 km	€ 35,000	March 2019
Tesla Model 3 Long Range	BEV	325 – 660 km	€ 50,000	March 2019
Tesla Model 3 Long Range Dual Motor	BEV	325 – 655 km	€ 55,000	March 2019
Tesla Model 3 Long Range Performance	BEV	325 – 655 km	€ 85,000	March 2019
Kia Niro EV Mid-Range	BEV	165 – 360 km	€ 37,500	November 2018
Kia Niro EV Long-Range	BEV	260 – 555 km	€ 40,000	November 2018
Audi e-tron Quattro	BEV	290 – 570 km	€ 82,500	October 2018

[5] 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 number[4]

	2015	2016	2017	June 2018	July 2018
Passenger Car (BEV)	1,052	545	630	81	92
Passenger Car (PHEV, E-REV)	215	923	3056	321	387
Commercial Car ≤ 3.5 tons (BEV)[6]	80	149	58	0	1
Total	**1,347**	**1,617**	**3,744**	**402**	**480**

Dutch ambitions Electric Transport

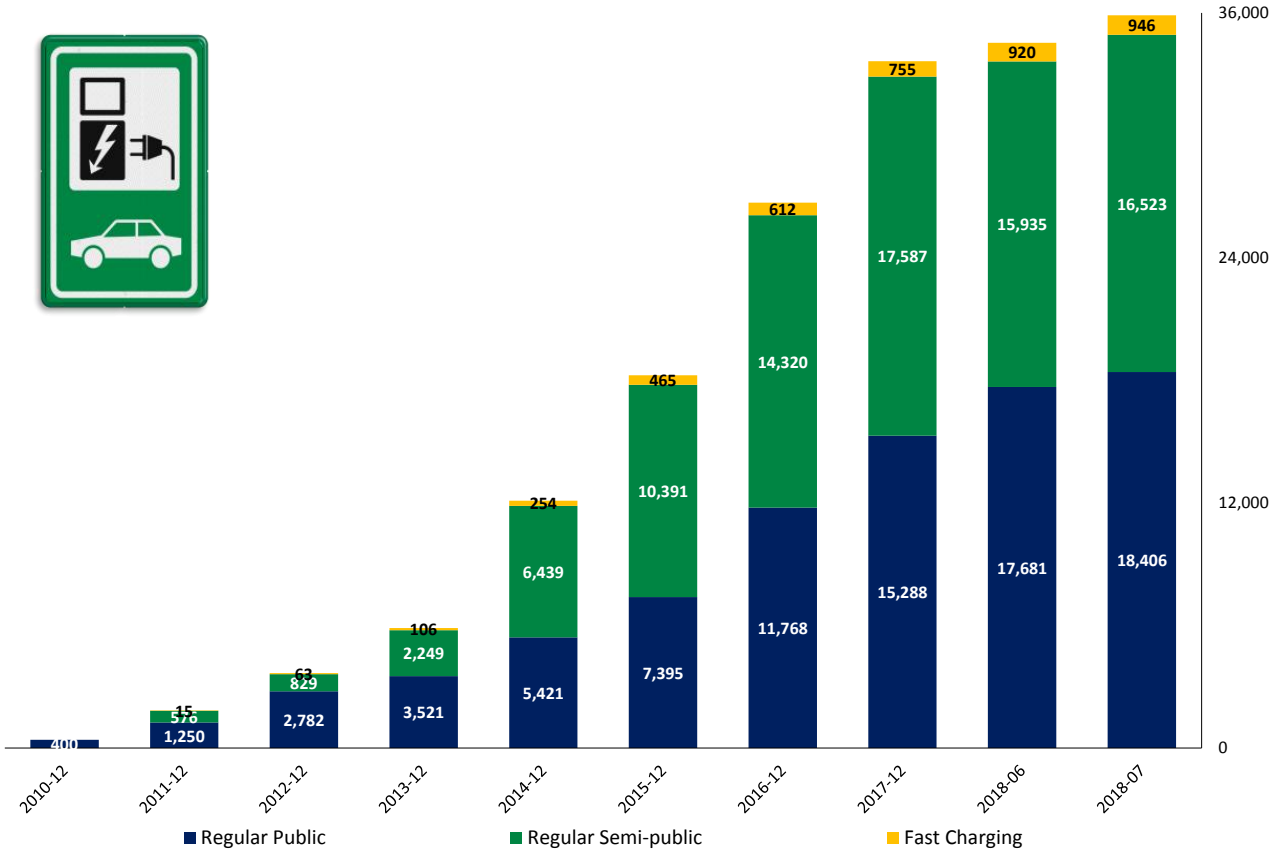
	Ambition
2020	10% of all new passenger cars sold will have an electric powertrain and a plug.[7]
2025	50% of all new passenger cars sold will have an electric powertrain and a plug, and at least 30% of these vehicles (15% of the total) will be fully electric.[7]
2030	100% of all new passenger cars sold will be zero-emission.[8]
	Realization[9]
2014	4.0%
2015	9.9%
2016	6.7%
2017	2.6%

Number of charging points[10]

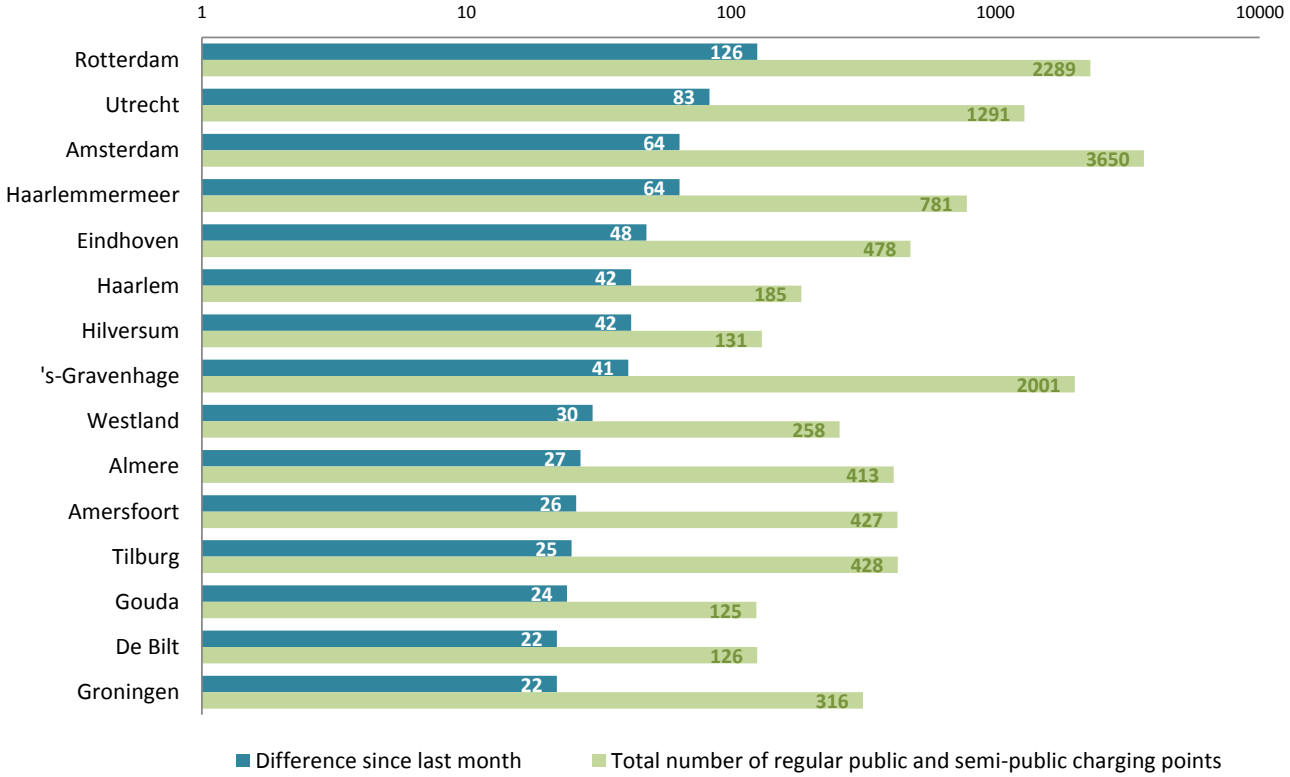
Number installed at	31-12-2015	31-12-2016	31-12-2017	30-06-2018	31-07-2018
Regular/slow charging points					
Public (24/7 publicly accessible)	7,395	11,768	15,288	17,681	18,406
Semi-public (limited publicly accessible)[11]	10,391	14,320	17,587	15,935	16,523
Fast charging					
Fast charging points - Public and semi-public	465	612	755	920	946
Fast charging locations[12]			178	195	199
Private charging points[13]					
	55,000	72,000	80,000	87,500	

[6] 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.
[7] http://www.greendeals.nl/wp-content/uploads/2016/04/Green-Deal-Electric-Transport-2016-2020.pdf
[8] 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
[9] 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.
[10] Based on data by stichting e-laad, EV-Box B.V., NUON and Essent, The New Motion (data up to 31-10-2012) and Oplaadpalen.nl (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 Oplaadpalen.nl states whether charging points are public or semi-public.
[11] 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.
[12] Fast charging location = geographical location consisting of one or more chargers with an electric power of >22kW (mostly 43kW and 50kW).
[13] 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 points[10]



Municipalities with the largest increase in number of charging points since last month[10]



Hydrogen refuelling stations

The Netherlands has 3 hydrogen refuelling locations, in Rhoon (in the West of the country, for both 350 bar and 700 bar), in Helmond (in the south of the country, for both 350 bar and 700 bar) and in Arnhem (in the east of the country, for 350 bar).