



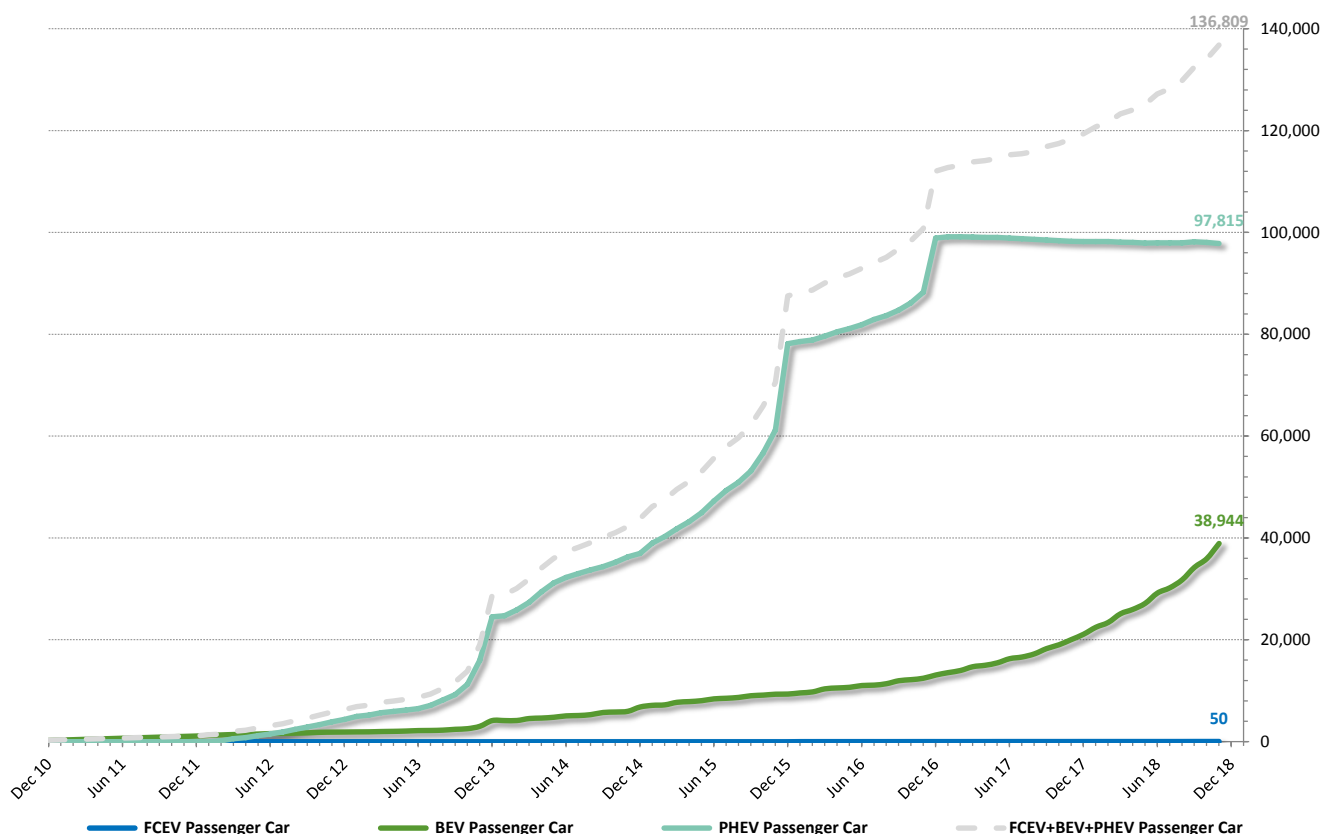
Statistics Electric Vehicles in the Netherlands (up to and including November 2018)

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	31-10-2018	30-11-2018
Passenger Car – BEV		9,368	13,105	21,115	35,965	38,944
Passenger Car – FCEV		21	30	41	49	50
Passenger Car – PHEV		78,163	98,903	98,217	98,044	97,815
Subtotal		87,552	112,038	119,373	134,062	136,813
Commercial Car ≤ 3.5 tons		1,456	1,628	2,208	2,924	3,110
Commercial Car > 3.5 tons		50	66	81	98	93
Bus		94	168	296	361	371
Trike / Quadricycle		872	1,007	1,134	1,230	1,249
Motorbike		268	316	446	604	608
Light moped 45 km/h		3,610	3,775	4,376	5,070	5,196
Light moped 25 km/h		28,459	32,496	37,652	26,696	26,872
Speed Pedelec (>25km/h) ³					15,898	16,147
Microcar 45 km/h		219	258	316	361	367
Total		122,584	151,752	165,882	187,304	190,826

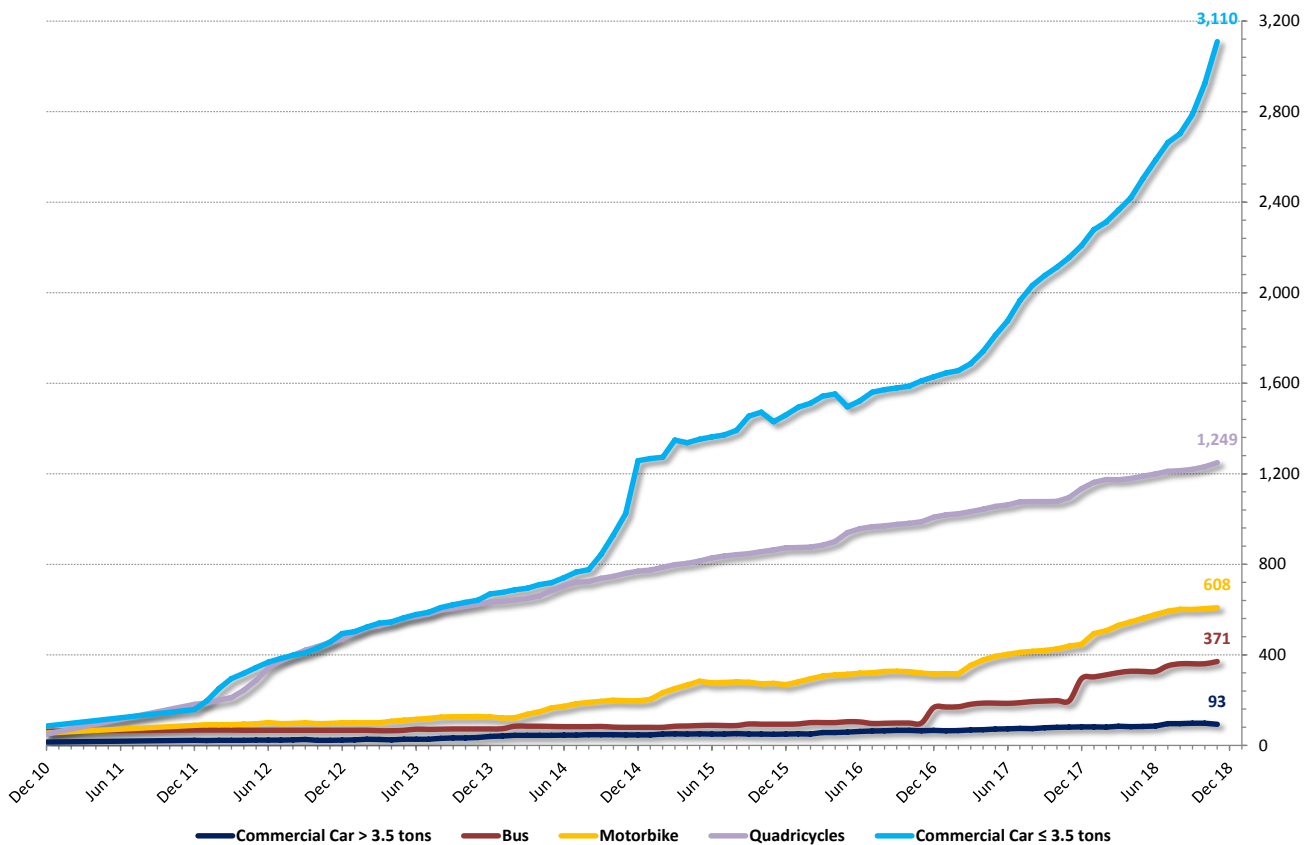
Development in the number of electric vehicles registered in The Netherlands (fleet)²



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)	11,550	308	3,921
Nissan LEAF	Passenger Car (BEV)	5,157	644	3,042
Tesla Model X	Passenger Car (BEV)	3,975	314	2,505
Renault ZOE	Passenger Car (BEV)	3,475	128	1,321
Volkswagen Golf	Passenger Car (BEV)	3,375	364	2,214
BMW I3	Passenger Car (BEV)	3,157	113	1,419
Hyundai Ioniq	Passenger Car (BEV)	2,342	106	2,134
Opel Ampera	Passenger Car (BEV)	1,078	94	887
Nissan E-NV200	Commercial Car ≤ 3.5 tons (BEV)	929	25	133
Renault Kangoo	Commercial Car ≤ 3.5 tons (BEV)	913	16	176

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

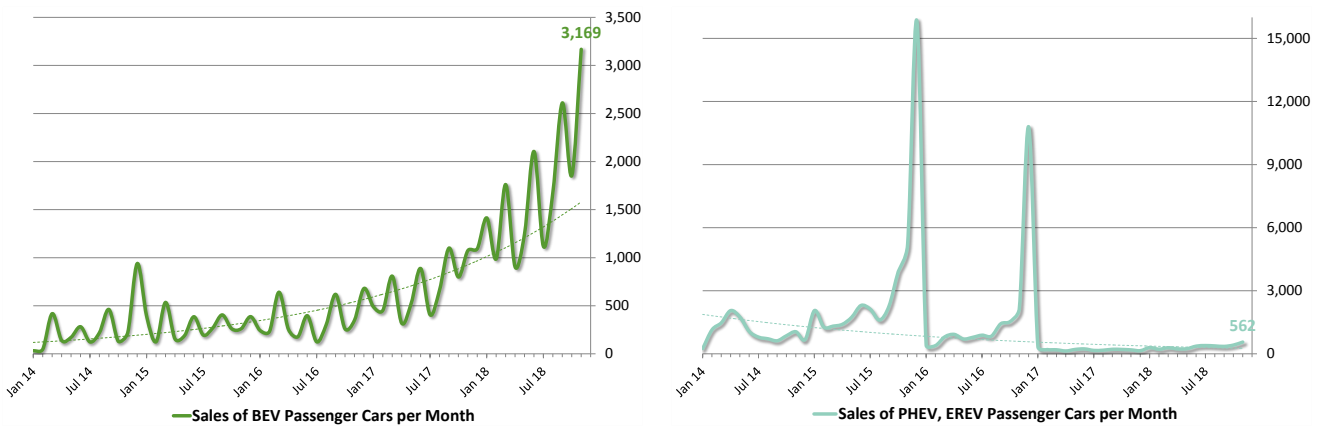
Brand/Model	Type of vehicle	Number	Since last month (MtM)	Since the same month in the previous year (YtY)
Mitsubishi Outlander	Passenger Car (PHEV)	24,244	-54	-924
Volvo V60	Passenger Car (PHEV)	14,527	-286	-1,215
Volkswagen Golf	Passenger Car (PHEV)	10,924	-8	47
Volkswagen Passat	Passenger Car (PHEV)	8,039	17	138
Audi A3 Sportback e-tron	Passenger Car (PHEV)	6,394	17	219



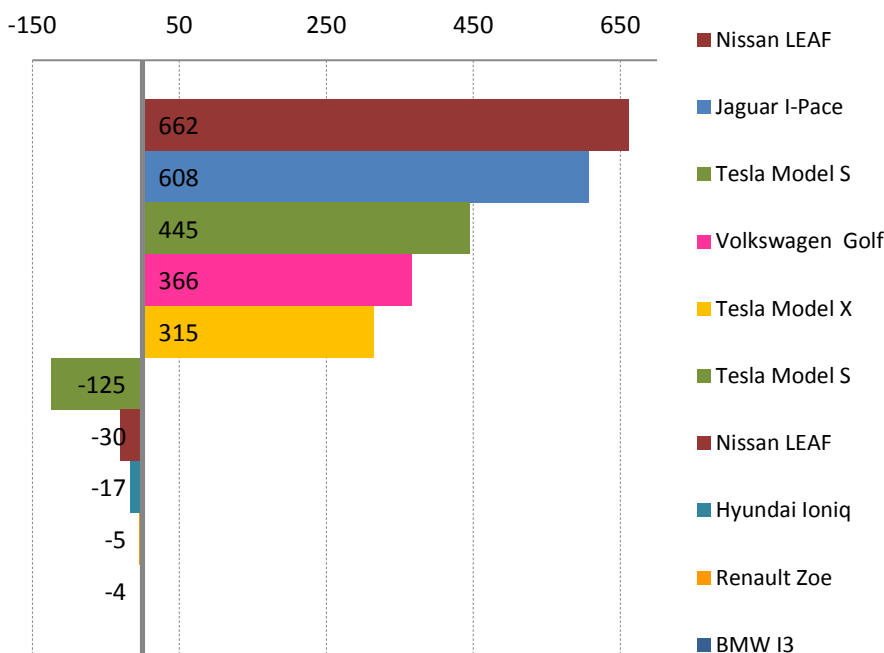
New registrations (sales) of all passenger cars and of electric passenger cars⁴

New registrations (sales) Passenger Cars in period	2016		2017		Jan – Nov 2018		October 2018		November 2018	
	Registrations	%	Registrations	%	Registrations	%	Registrations	%	Registrations	%
Total new registrations	385,259	100%	418,461	100%	427,339	100%	30,079	100%	34,785	100%
Of which EV new registrations	25,997	6.7%	11,085	2.6%	22,662	5.3%	2,280	7.6%	3,732	10.7%
- of which FCEV	8	0.0%	13	0.0%	14	0.0%	4	0.0%	1	0.0%
- Of which BEV	4,294	1.1%	8,627	2.1%	18,863	4.4%	1,856	6.2%	3,169	9.1%
- Of which PHEV	21,695	5.6%	2,445	0.6%	3,785	0.9%	420	1.4%	562	1.6%

Development in the number of new registrations (sales) of electric passenger cars³



BEV passenger cars with the largest increase and decrease in November 2018⁵



The total increase (new registrations) of BEV passenger cars in November was 3,169. The cars mentioned in the graph represent 76% (2,396) of the total increase.

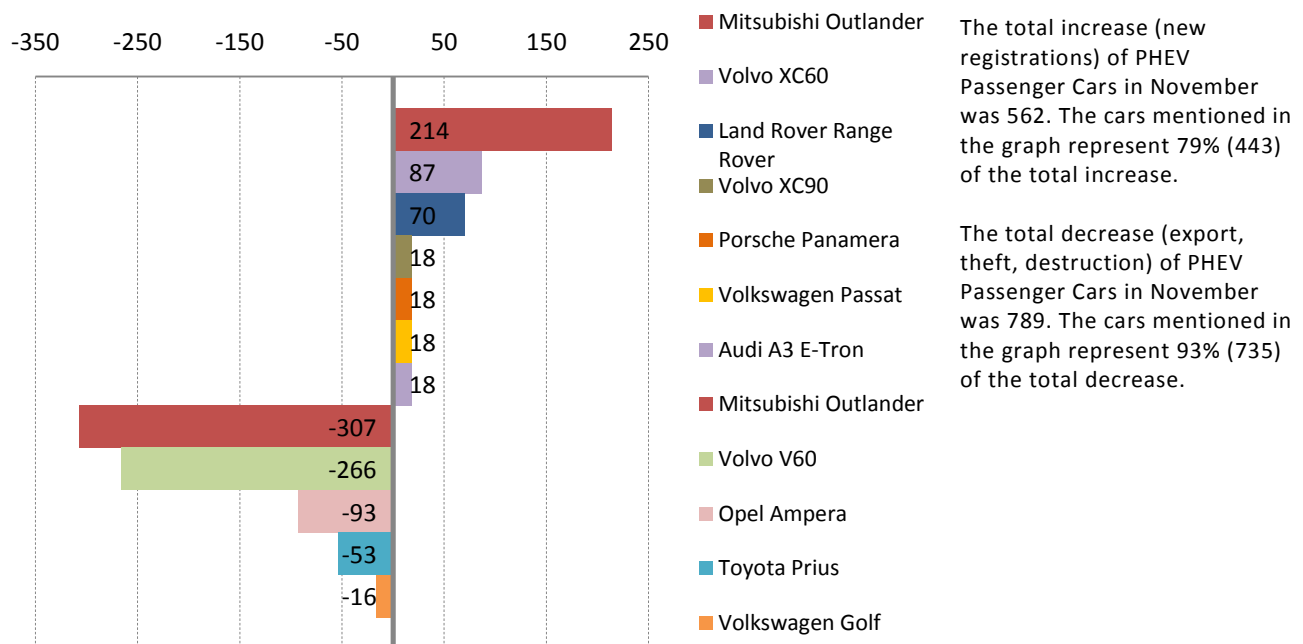
The total decrease (export, theft, destruction) of BEV passenger cars in November was 197. The cars mentioned in the graph represent 92% (181) of the total decrease.

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 November 2018⁵



20 most recent available BEV and PHEV passenger car models in The Netherlands⁶

Brand/Model	EV Type	Electric range	Price	Available since
Kia e-Niro 64 kWh	BEV	325 – 445 km	€ 42,510	December 2018
BMW i3s 120 Ah	BEV	195 – 265 km	€ 45,695	October 2018
BMW i3 120 Ah	BEV	200 – 275 km	€ 41,995	October 2018
Smart EQ forfour	BEV	80 – 105 km	€ 24,050	September 2018
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
Smart EQ fortwo cabrio	BEV	80 – 105 km	€ 27,043	July 2018
Smart EQ fortwo coupe	BEV	85 – 120 km	€ 23,760	July 2018
Jaguar I-Pace	BEV	325 – 430 km	€ 80,330	June 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	€ 41,990	April 2018
Volvo V60 T8 Twin-Engine	PHEV	24 – 30 km	€ 58,995	April 2018
Nissan LEAF (40kWh)	BEV	200 – 280 km	€ 36,890	February 2018
Kia Optima Sportswagon	PHEV	31 – 41 km	€ 42,975	January 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.

Electric passenger car models expected to be available soon in The Netherlands⁶

Brand/Model	EV Type	Electric range	Price	To be available in
Sono Sion	BEV	190 – 265 km	€ 25,000	November 2019
DS 3 Crossback E-Tense	BEV	255 – 345 km	€ 37,500	October 2019
Tesla Model 3	BEV	280 – 395 km	€ 40,000	September 2019
Tesla Model 3 Mid Range	BEV	345 – 480 km	€ 52,500	June 2019
Mercedes EQC 400 4MATIC	BEV	320 – 425 km	€ 70,000	June 2019
Kia e-Niro 39 kWh	BEV	205 – 280 km	€ 37,500	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 Performance	BEV	385 – 535 km	€ 69,700	February 2019
Tesla Model 3 Long Range Dual Motor	BEV	395 – 550 km	€ 58,800	February 2019
Audi e-tron	BEV	340 – 455 km	€ 84,100	February 2019

Export number⁵

	2016	2017	Jan-Nov 2018	October 2018	November 2018
Passenger Car (BEV)	545	630	1,300	373	194
Passenger Car (PHEV)	923	3,056	4,459	572	781
Commercial Car ≤ 3.5 tons (BEV) ⁷	149	58	24	3	2
Total	1,617	3,744	5,783	948	977

Shared cars⁸

	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	Passenger Car PHEV	BEV + FCEV + PHEV
2014	0.8%	0.0%	3.2%	4.0%
2015	0.8%	0.0%	9.1%	9.9%
2016	1.1%	0.0%	5.6%	6.7%
2017	2.1%	0.0%	0.6%	2.6%
Jan – Nov 2018 (YtD) ¹²	4.4%	0.0%	0.9%	5.3%

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 <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.klimaataakkoord.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.

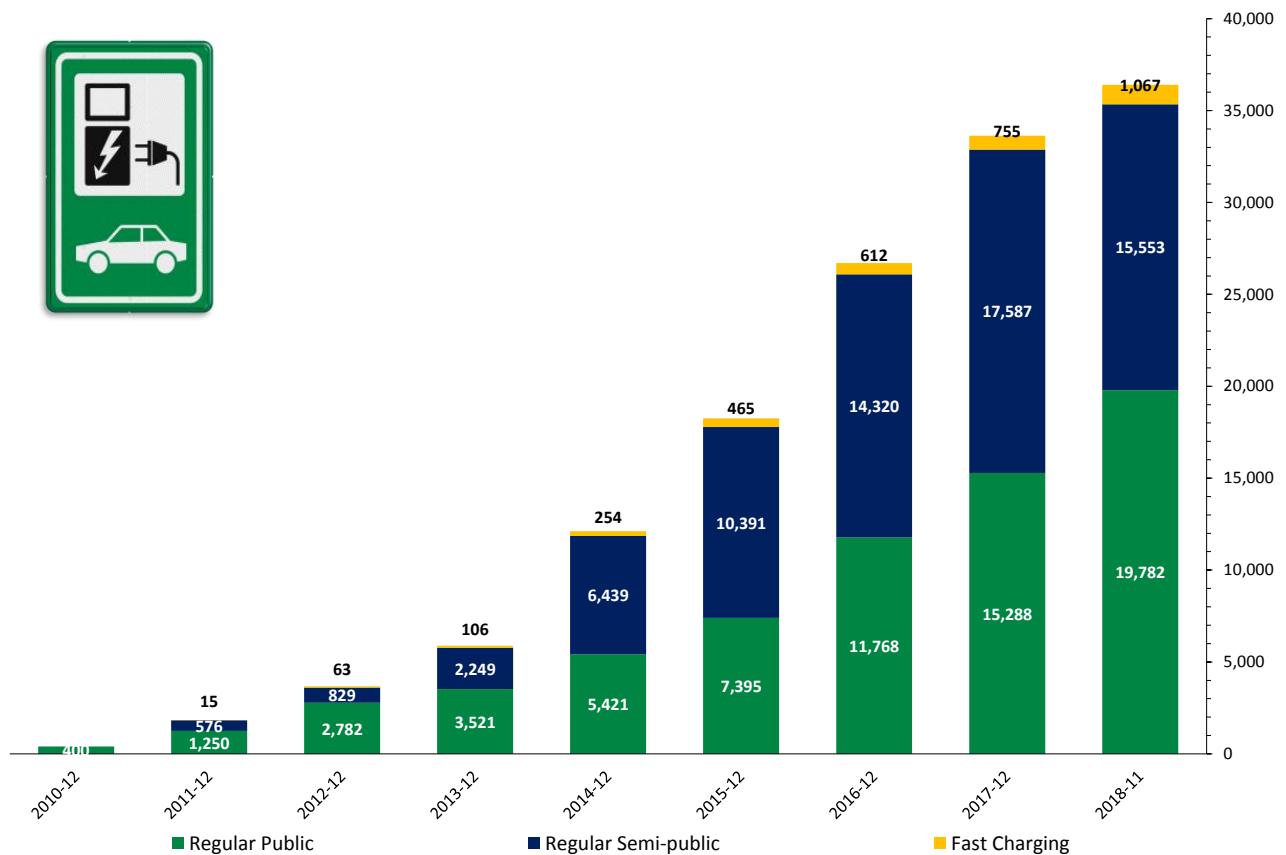
¹² YtD: Year to date refers to the period beginning the first day of the current calendar year up to the most recent date of which data is provided in this document.



Number of charging points^{13, 14}

Number installed at	31-12-2015	31-12-2016	31-12-2017	30-11-2018
Regular charging points				
Public (24/7 publicly accessible)	7,395	11,768	15,288	19,782
Semi-public (limited publicly accessible) ¹⁵	10,391	14,320	17,587	15,553
Regular Public + Semi-public	17,786	26,088	32,875	35,335
Fast charging				
Fast charging points - Public and semi-public	465	612	755	1,067
Fast charging locations ¹⁶			178	185
Private charging points¹⁷				
	55,000	72,000	80,000	

Development in the number of charging points^{13, 14}



¹³ 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 outlets (sockets/connectors). In practice the number of charging points and the number of outlets (sockets/connectors) 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).

¹⁴ Due to corrections in the data of one of the charge point operators the number of charging points is lower than was reported in the forgoing months. Because of this, we decided to omit the data over October in the table and graph. And for the same reason we decided not to report the difference in number of charging points since last month per municipality. From next publication onwards we intent to add these elements in our table and graphs on charging points again.

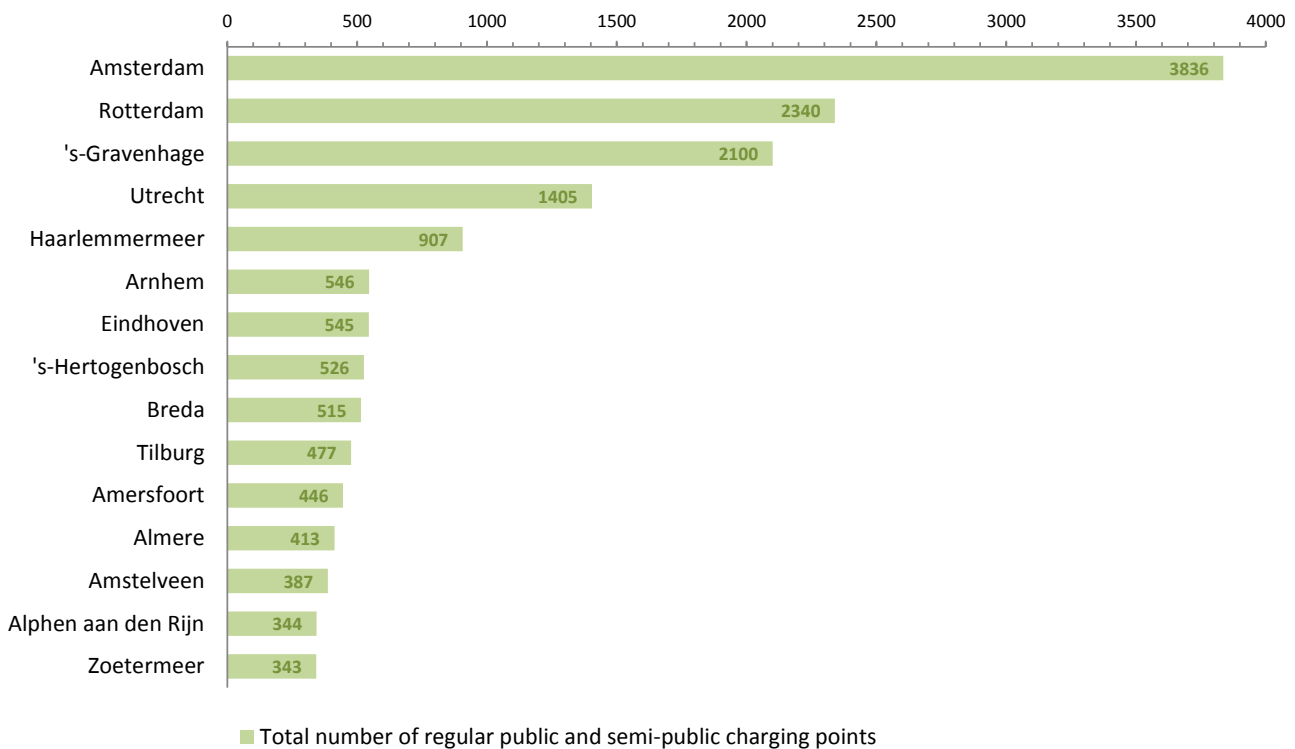
¹⁵ Semi-public charging points are interoperable and have been reported as accessible by their owners. These charging points can for example be found in shopping malls, office buildings, parking garages and at private persons who have made their charging point accessible to others.

¹⁶ Fast charging location = geographical location consisting of one or more chargers with an electric power of >22kW (mostly 43kW and 50kW).

¹⁷ 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 number of charging points^{13, 14}



Hydrogen refuelling stations

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