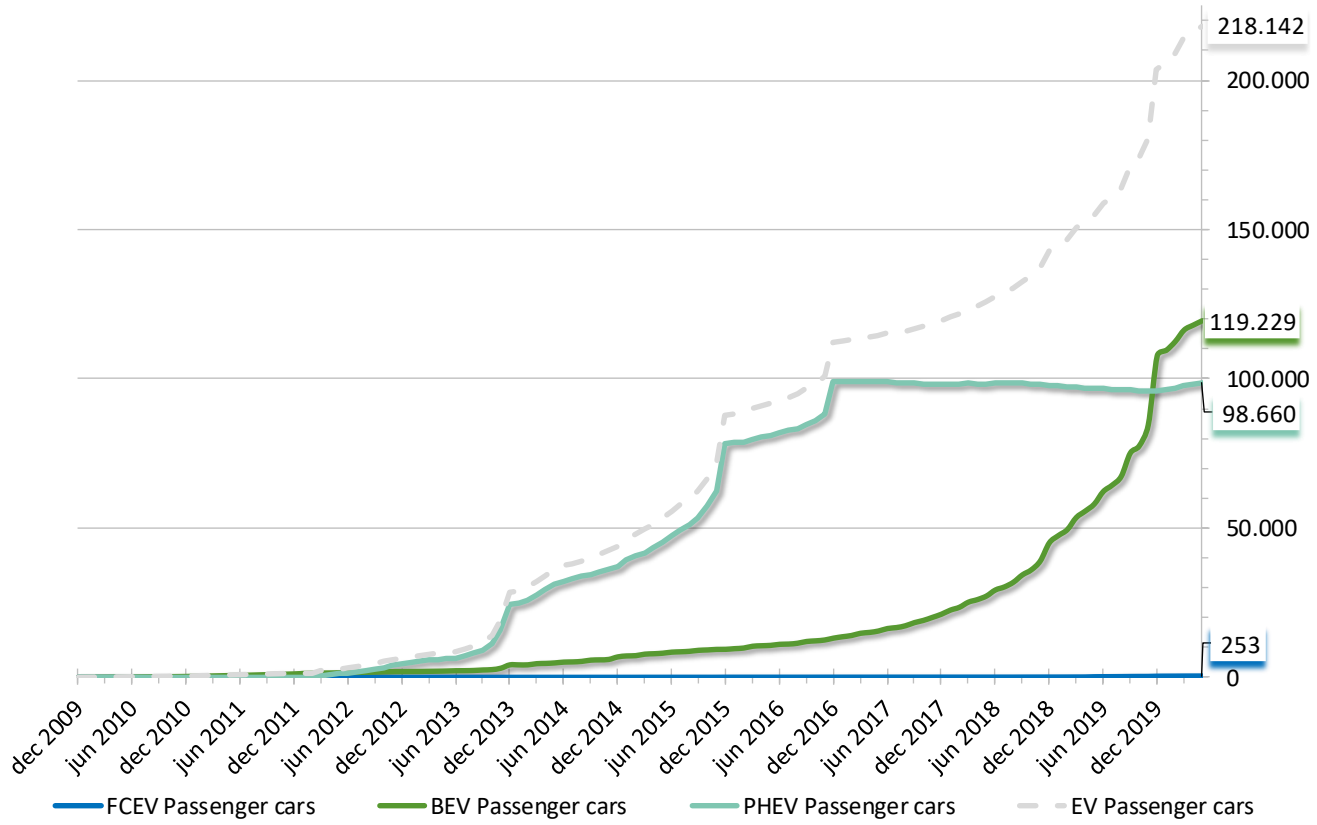
Statistics Electric Vehicles in the Netherlands (up to and including April 2020)

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	2016	2017	2018	2019	Apr. 2020	May 2020
Passenger Car – BEV	13,105	21,115	44,984	107,536	117,756	119,229
Passenger Car – FCEV	30	41	50	215	249	253
Passenger Car – PHEV	98,903	98,217	97,702	95,885	98,089	98,660
Subtotal	**112,038**	**119,373**	**142,736**	**203,636**	**216,094**	**218,142**
Commercial Car ≤ 3.5 tons	1,628	2,208	3,196	4,501	4,896	4,944
Commercial Car > 3.5 tons	66	81	94	173	142	147
Bus	168	296	404	789	885	891
Trike / Quadricycle	1,007	1,134	1,257	1,428	1,459	1,460
Motorbike	316	446	608	732	830	872
Light moped 45 km/h	3,775	4,376	5,302	8,009	9,033	9,378
Light moped 25 km/h	32,496	37,652	26,968	32,357	34,271	35,261
Speed Pedelec (>25km/h)[3]			16,312	19,687	21,043	21,405
Microcar 45 km/h	258	316	377	671	999	1,029
Total	**151,752**	**165,882**	**197,249**	**271,983**	**288,767**	**292,638**

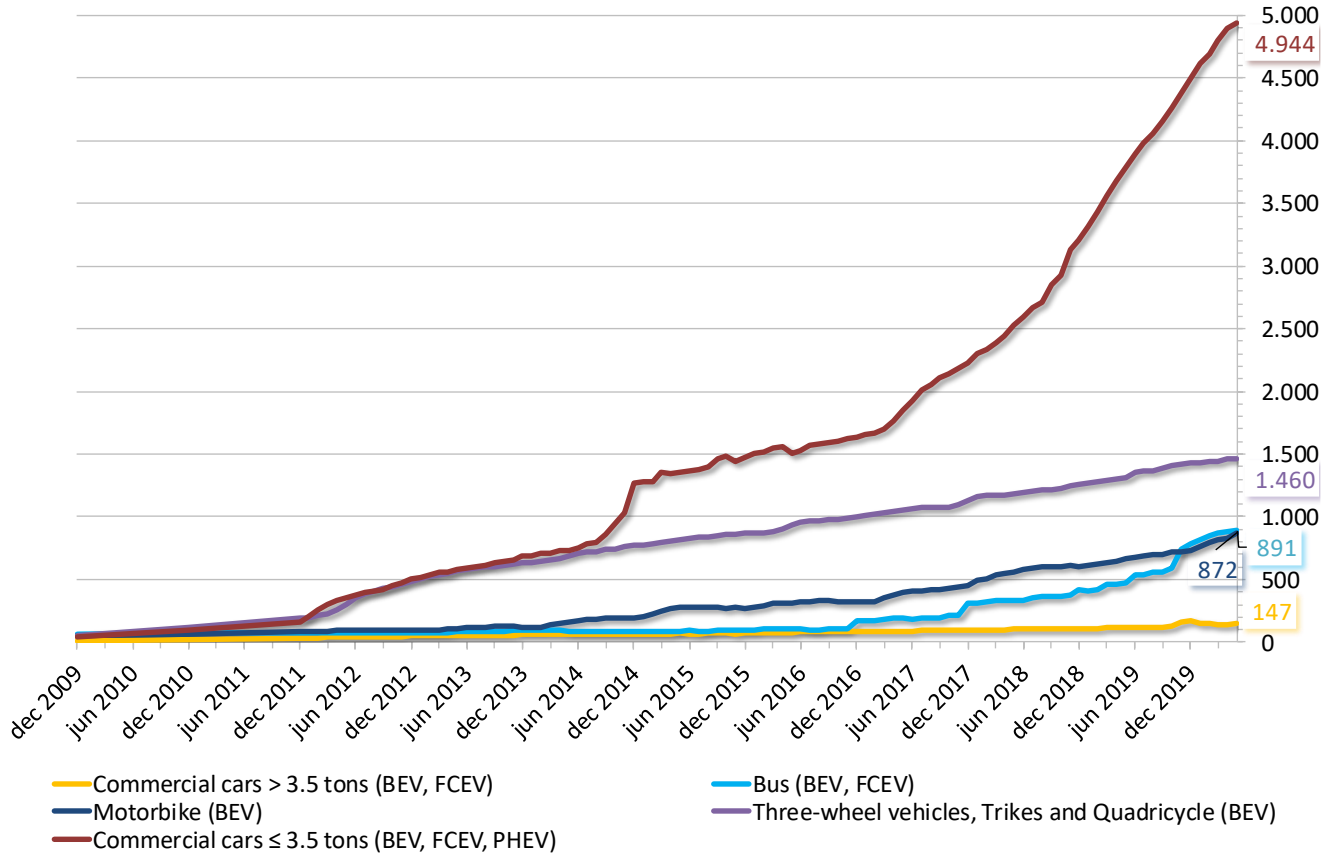
Development in the number of electric vehicles registered in The Netherlands (fleet)[2]



[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. Trade stock included. Corrections of the data with retroactive effect are not taken into account here. [Passenger Car (M1, PHEV): full hybrid vehicles (HEV) excluded; Commercial Car ≤ 3.5 tons (N1): Including: BEV, FCEV, PHEV; Commercial Car > 3. 5 tons (N2, N3): BEV, FCEV; Bus (M2, M3): BEV, FCEV, Including approx. 40 trolley 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]

Position	Brand/Model	Number	Since last month (MoM)	Since the same month in the previous year (YoY)
1	Tesla Model 3	31.875	156	28.292
2	Tesla Model S	12.876	-1	264
3	Nissan Leaf	9.578	148	2.845
4	Volkswagen Golf	8.656	241	3.610
5	Hyundai Kona	7.338	240	4.746
6	Bmw I3	6.660	59	2.317
7	Renault Zoe	6.505	48	2.099
8	Kia Niro	5.582	227	4.009
9	Tesla Model X	5.184	8	538
10	Jaguar I-Pace	4.340	-1	731

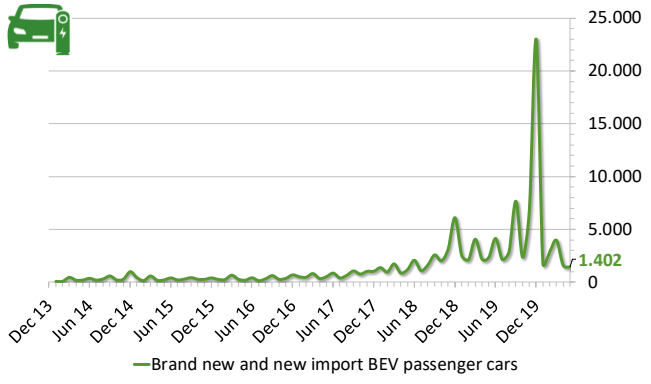
Top 5 models of plug-in hybrid electric vehicles registered in The Netherlands (fleet)[2]

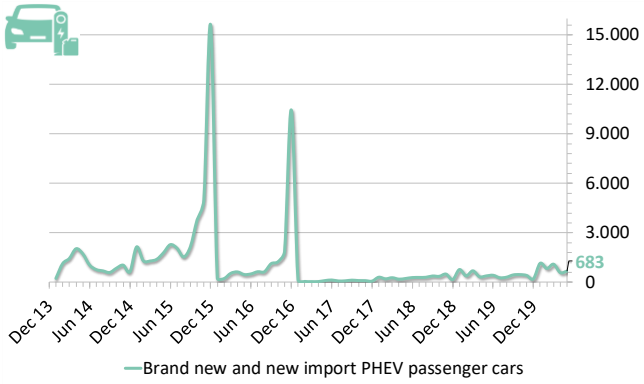
Position	Brand/Model	Number	Since last month (MoM)	Since the same month in the previous year (YoY)
1	Mitsubishi Outlander	22.409	-26	-959
2	Volvo V60	12.139	-57	-1.226
3	Volkswagen Golf	10.193	-44	-653
4	Volkswagen Passat	7.945	-7	-128
5	Audi A3 Sportback E-Tron	6.236	-15	-218

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

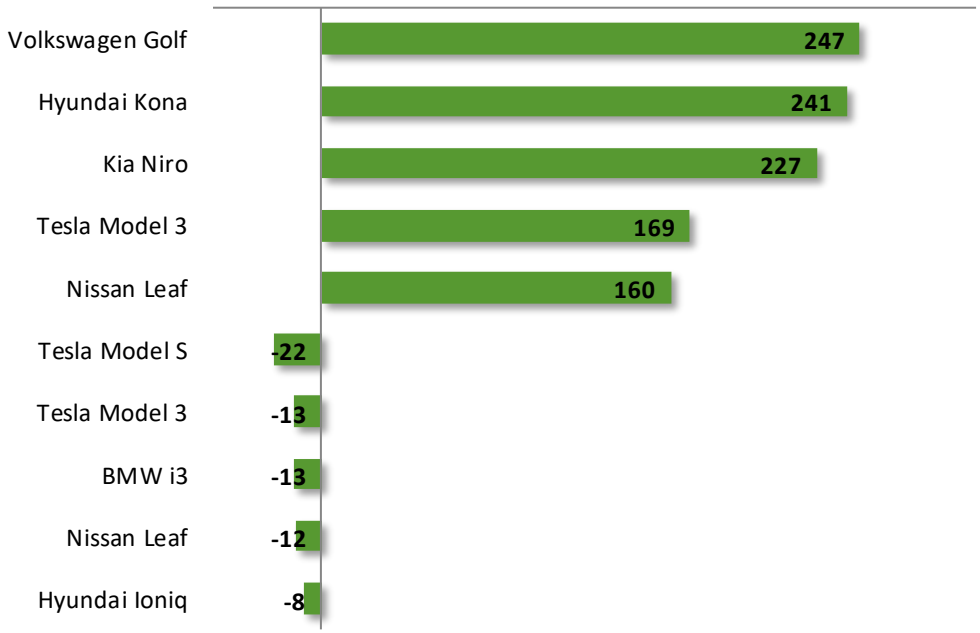
New registrations (sales) Passenger Cars	2016		2017		2018		2019		May 2020	
New registrations	384,320	100%	417,849	100%	450,097	100%	452,875	100%	14,919	100%
Of which EV	22,680	5.9%	9,194	2.2%	27,983	6.2%	67,318	14.9%	2,088	14.0%
- Of which BEV	4,054	1.1%	9,194	1.9%	24,434	5.4%	62,004	13.7%	1,402	9.4%
- Of which FCEV	7	0.0%	5	0.0%	13	0.0%	156	0.0%	3	0.0%
- Of which PHEV	18,619	4.8%	1,130	0.3%	3,536	0.8%	5,158	1.1%	683	4.6%

Development in the number of new registrations (sales) of electric passenger cars[5]





BEV passenger cars with the largest increase and decrease in May 2020[6]



The total increase of BEV passenger cars in May 2020 was 1,564. The cars mentioned in the graph represent 67% (1,044) of the total increase.

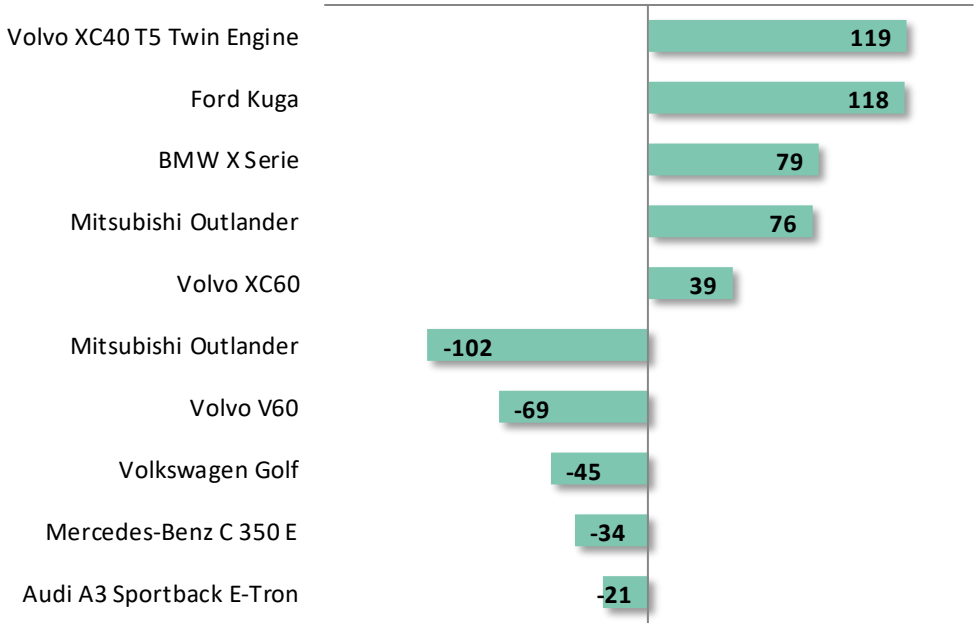
The total decrease (export, theft, destruction) of BEV passenger cars in May 2020 was 95. The cars mentioned in the graph represent 72% (68 of the total decrease.

[4] Source: all Passenger Cars: Dutch Road Authority (RDW) and RDC (Bovag/RAI, www.bovag.nl). This table shows the number of new registrations. Trade stock included, occasion import excluded. 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). New import: cars that ≤ 90 days old at 1st registration in The Netherlands. These cars are considered as new. Occasion imports (> 90 days old) are excluded.

[6] Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl). Total increase consists of sales of brand new cars, new import (≤ 90 days old) and occasion import (> 90 days old). Decrease consists of export (97 - 99%), theft (0.8 - 2.4%), destruction, etc.

PHEV passenger cars with the largest increase and decrease in May 2020[6]



The total increase of PHEV Passenger Cars in May 2020 was 939. The cars mentioned in the graph represent 46% (431) of the total increase.

The total decrease (export, theft, destruction) of PHEV Passenger Cars in May 2020 was 370. The cars mentioned in the graph represent 73% (271) of the total decrease.

Dutch ambition and realization

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]					
	Passenger Car BEV	Passenger Car FCEV	Zero emission	Passenger Car PHEV	BEV + FCEV + PHEV
2014	0.9%	0.0%	0.9%	3.1%	4.0%
2015	0.8%	0.0%	0.8%	8.9%	9.7%
2016	1.1%	0.0%	1.1%	4.8%	5.9%
2017	1.9%	0.0%	1.9%	0.3%	2.2%
2018	5.4%	0.0%	5.4%	0.8%	6.2%
2019	13.7%	0.0%	13.7%	1.1%	14.8%
2020 YtD	9.2%	0.0	9.2%	3.5%	12.7%

[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 weighting corrections with retroactive effect, the realization percentages differ slightly from publications before Dec. 2019. 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.

Most recently available BEV passenger car models in The Netherlands[10]

Brand/Model	Segment	Electric range	Price	Available since
Hyundai Kona Electric 39 kWh	B	210 - 290 km	€ 36.795	May 2020
Audi e-tron Sportback 50 quattro	E+	250 - 330 km	€ 65.100	Mar. 2020
Audi e-tron Sportback 55 quattro	E+	330 - 430 km	€ 82.800	Mar. 2020
Mini Electric	B	155 - 210 km	€ 34.900	Mar. 2020
Opel Corsa-e	B	245 - 335 km	€ 30.999	Mar. 2020
Peugeot e-2008 SUV	B	235 - 315 km	€ 40.930	Mar. 2020
Peugeot e-208	B	250 - 345 km	€ 36.250	Feb. 2020
Porsche Taycan 4S	E+	315 - 425 km	€ 109.900	Feb. 2020
Porsche Taycan 4S Plus	E+	365 - 490 km	€ 116.786	Feb. 2020
SEAT Mii Electric	A	170 - 230 km	€ 23.400	Feb. 2020
DS 3 Crossback E-Tense	B	235 - 320 km	€ 43.190	Jan. 2020
Kia e-Niro 64 kWh	C	320 - 435 km	€ 44.995	Jan. 2020
Kia e-Soul 64 kWh	B	315 - 425 km	€ 42.985	Jan. 2020
Porsche Taycan Turbo	E+	335 - 445 km	€ 157.100	Jan. 2020
Porsche Taycan Turbo S	E+	325 - 430 km	€ 191.000	Jan. 2020
Skoda CITIGOe iV	A	170 - 230 km	€ 23.290	Jan. 2020
Smart EQ forfour	A	80 - 110 km	€ 23.995	Jan. 2020
Smart EQ fortwo cabrio	A	80 - 110 km	€ 26.995	Jan. 2020
Smart EQ fortwo coupe	A	85 - 120 km	€ 23.995	Jan. 2020
Volkswagen e-Up!	A	165 - 230 km	€ 23.475	Jan. 2020
Audi e-tron 55 quattro	E+	315 - 415 km	€ 80.400	Dec. 2019
Audi e-tron 50 quattro	E+	245 - 325 km	€ 62.700	Nov. 2019
Hyundai Kona Electric 64 kWh	B	335 - 460 km	€ 41.595	Nov. 2019
MG ZS EV	B	195 - 260 km	€ 30.985	Nov. 2019
Renault Zoe ZE50 R110	B	270 - 370 km	€ 33.590	Nov. 2019
Renault Zoe ZE50 R135	B	265 - 365 km	€ 35.190	Nov. 2019
Hyundai IONIQ Electric	C	215 - 300 km	€ 36.995	Oct. 2019
Mercedes EQC 400 4MATIC	D	305 - 405 km	€ 80.995	Sep. 2019
Tesla Model S Performance	E+	430 - 585 km	€ 105.715	Jul. 2019
Tesla Model X Performance	E+	380 - 505 km	€ 110.815	Jul. 2019
Nissan Leaf e+	C	275 - 375 km	€ 45.850	Jun. 2019
Tesla Model S Long Range	E+	440 - 600 km	€ 88.815	Jun. 2019
Tesla Model X Long Range	E+	390 - 520 km	€ 94.615	Jun. 2019
Tesla Model 3 Standard Range Plus	D	260 - 365 km	€ 49.995	Apr. 2019
Tesla Model 3 Long Range Dual Motor	D	385 - 535 km	€ 59.995	Feb. 2019
Tesla Model 3 Long Range Performance	D	370 - 510 km	€ 65.595	Feb. 2019
BMW i3 120 Ah	B	200 - 275 km	€ 42.411	Oct. 2018
BMW i3s 120 Ah	B	195 - 265 km	€ 46.106	Oct. 2018
Jaguar I-Pace	E+	320 - 415 km	€ 81.800	Jun. 2018
Nissan e-NV200 Evalia	C	160 - 215 km	€ 44.689	Apr. 2018
Nissan Leaf	C	185 - 250 km	€ 36.990	Feb. 2018

[10] 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.

Opel Ampera-e	B	290 - 395 km	€ 34.149	Sep. 2017
Peugeot Partner Tepee Electric	C	95 - 125 km	€ 30.470	Aug. 2017
Renault Kangoo Maxi ZE 33	C	140 - 190 km	€ 37.985	Jul. 2017
Volkswagen e-Golf	C	160 - 220 km	€ 34.295	May 2017
Citroen C-Zero	A	75 - 100 km	€ 22.360	Apr. 2016
Peugeot iOn	A	75 - 100 km	€ 22.360	Apr. 2016

BEV passenger car models expected to be available soon in The Netherlands[10]

Brand/Model	Segment	Electric range	Price	To be available in
Lexus UX 300e Electric	C	230 - 310 km	€ 49.990	Jun. 2020
Polestar 2	D	360 - 490 km	€ 59.800	Jun. 2020
Aiways U5	C	290 - 385 km	€ 35.000	Aug. 2020
Volkswagen ID.3 Pro	C	295 - 405 km	€ 35.000	Aug. 2020
Audi e-tron S 55 quattro	E+	305 - 400 km	€ 95.000	Sep. 2020
Audi e-tron S Sportback 55 quattro	E+	315 - 415 km	€ 97.500	Sep. 2020
Honda e	B	165 - 230 km	€ 35.330	Sep. 2020
Honda e Advance	B	165 - 230 km	€ 38.330	Sep. 2020
Mazda MX-30	C	No data	€ 33.990	Sep. 2020
Volkswagen ID.3 Pro S	C	380 - 515 km	€ 42.000	Sep. 2020
Volkswagen ID.3 Pure	C	230 - 315 km	€ 30.000	Sep. 2020
Volvo XC40 P8 AWD Recharge	C	No data	€ 59.900	Sep. 2020
Fiat 500e Cabrio	B	210 - 285 km	€ 38.900	Oct. 2020
Ford Mustang Mach-E ER AWD	D	No data	€ 67.140	Nov. 2020
Ford Mustang Mach-E ER RWD	D	No data	€ 58.075	Nov. 2020
Ford Mustang Mach-E SR AWD	D	No data	€ 57.665	Nov. 2020
Ford Mustang Mach-E SR RWD	D	No data	€ 49.925	Nov. 2020
Renault Twingo ZE	A	110 - 150 km	€ 22.000	Dec. 2020
Tesla Model 3 Standard Range	D	220 - 310 km	€ 43.500	Dec. 2020
Lightyear One	E+	460 - 695 km	€ 149.990	Mar. 2021
Tesla Model Y Long Range Dual Motor	D	No data	€ 65.018	Mar. 2021
Tesla Model Y Long Range Performance	D	No data	€ 71.018	Mar. 2021
Byton M-Byte 72 kWh 2WD	E+	275 - 365 km	€ 55.000	Nov. 2021
Byton M-Byte 95 kWh 2WD	E+	345 - 450 km	€ 62.500	Nov. 2021
Byton M-Byte 95 kWh 4WD	E+	335 - 440 km	€ 65.000	Nov. 2021
Sono Sion	C	190 - 260 km	€ 26.000	Mar. 2022

Export[11]

	2016	2017	2018	2019	Apr. 2020	May 2020
Passenger Car (BEV)	545	630	1,460	1,355	57	86
Passenger Car (PHEV)	923	3,056	5,088	8,610	200	363
Commercial Car ≤ 3.5 tons (BEV)	149	58	30	57	6	4

Shared cars[12]

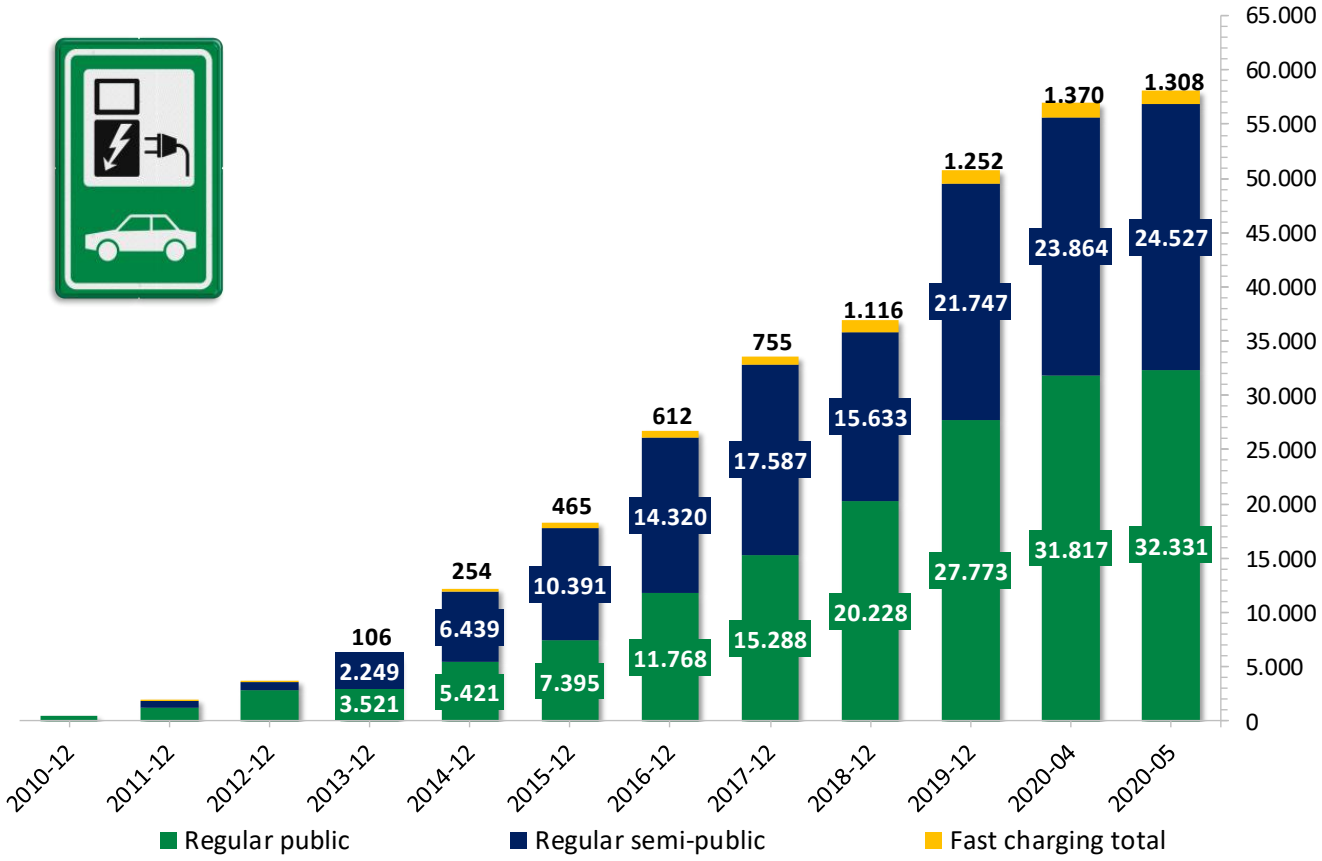
	2016	2017	2018	2019
Shared cars (all fuels)	25,128	30,697	41,191	51,149
People sharing cars	n.a.	n.a.	400,000	515,000
Share of electric cars (BEV and PHEV) in total number of shared cars	4.5%	4.1%	6.4%	6.8%

Number of charging points[13]

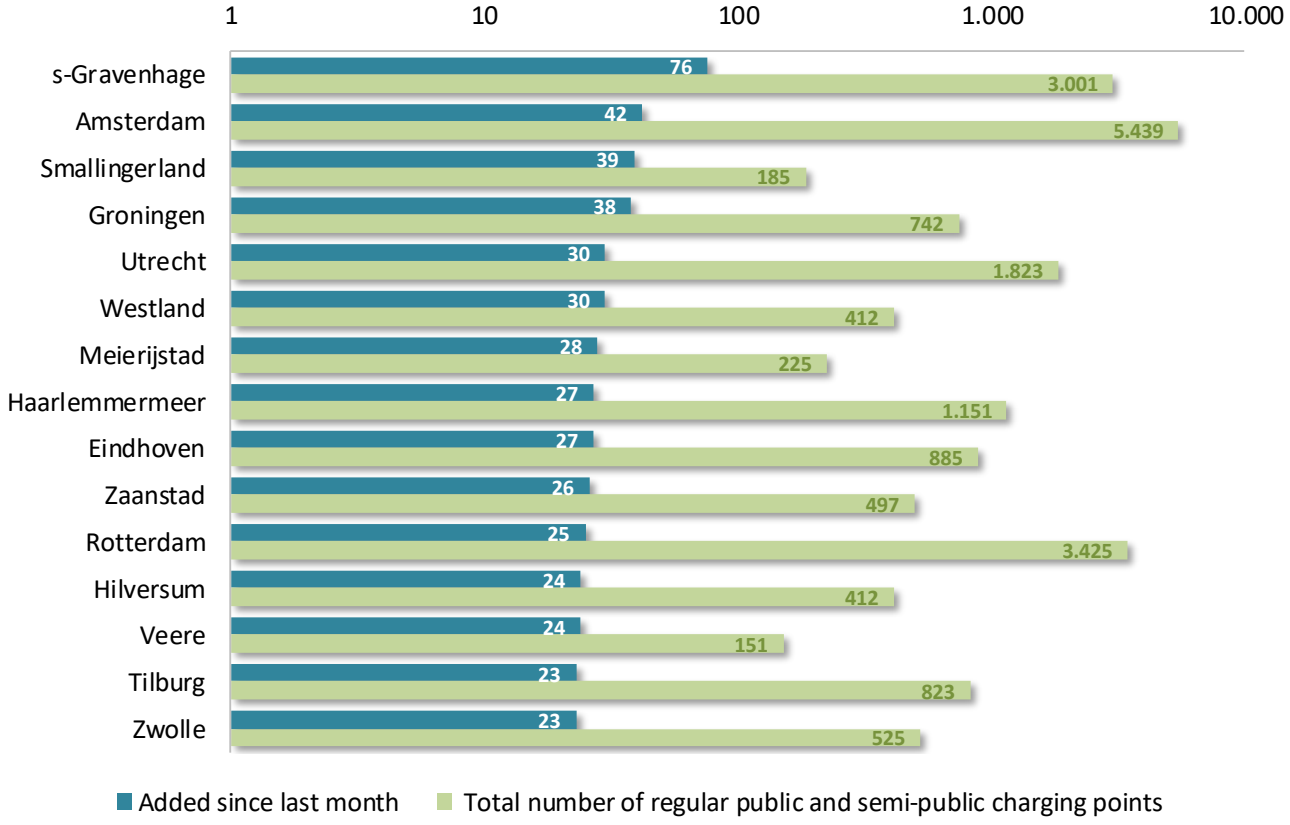
Number of charging points at the end of	2016	2017	2018	2019	Apr. 2020	May 2020
Regular public (24/7 publicly accessible)	11,768	15,288	20,228	27,773	31,817	32,331
Regular semi-public (limited publicly accessible)[14]	14,320	17,587	15,633	21,747	23,864	24,527
Regular Public + Semi-public	*26,088*	*32,875*	*35,861*	*49,520*	*55,681*	*56,858*
Fast charging points, Public + Semi-public[15]	612	755	1,116	1,262	1,370	1,308
Fast charging locations[16]	148	178	197	339	370	341
Private charging points[17]	72,000	80,000	100,000	165,000		

[11] Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl).
[12] Data from https://www.crow.nl/dashboard-autodelen/home, the numbers are updated once a year.
[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 states whether charging points are public or semi-public.
[14] 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.
[15] An EVSE (Electric Vehicle Supply Equipment = charging point) may have several connectors in order to accommodate different connector types, but only one can be used at the same time. Due to improvements in the data on fast chargers, from July 2019 onwards we report the number of EVSEs instead of connectors (regular charging points have always been counted in terms of EVSE). Based on data from Aug. 2019, the number of fast charging connectors is approx. 25% more than the number of fast charging EVSEs. For example: fast charging stations with 2 EVSEs and 3 connectors: not more than 2 connectors can be simultaneously used to charge electric cars).
[16] Fast charging location = geographical location consisting of one or more chargers with an electric power of > 22kW.
[17] Estimation based on research in 2012. Further estimation and extrapolation for following years.

Development in the number of charging points[13]



Municipalities with the largest increase in number of charging points since previous month[13]



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);
- Arnhem (in the east, 350 bar).

Delfzijl hosts a hydrogen refuelling station to service fuel cell electric public transport buses.

Monthly notification of the statistics-update

If you would like to receive a notification of the statistics-update, please send an email to elektrischrijden@rvo.nl.