

Electromobility in Austria

Facts & Figures
December 2019



Highlights in December 2019

In December, 943 electric vehicles were newly registered in Austria and the stock has risen to 37,371. Compared to other federal states, Vorarlberg has a BEV share of 5.20% in new registrations. The Tesla Model 3 is the most popular BEV model with 216 new registrations in December 2019. In the comparison of brands Tesla leads with around 32% market share.

The monthly Facts & Figures-sheet offers a compact overview of current developments in the electromobility. As a federal agency, AustriaTech assumes the role of an expert organisation and prepares the data factually and neutrally.



943
E-Vehicles
New Registrations



37,371
E-Vehicles
Population



Vorarlberg
With 5.20%
Highest BEV-Share

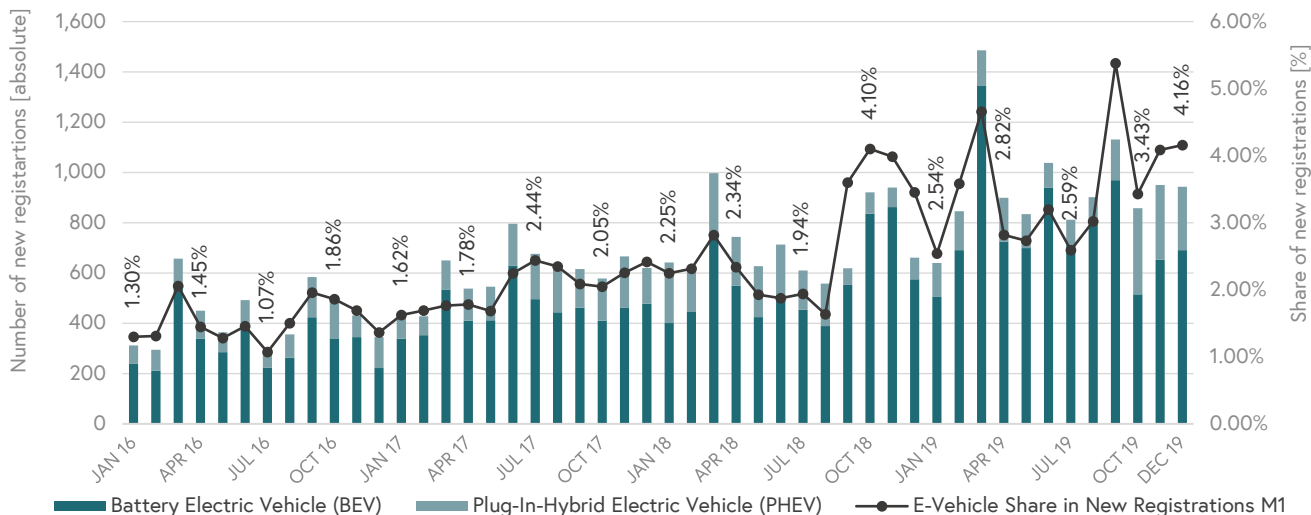


Tesla Model 3
Mostly Registered
BEV-Model

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Electromobility in Austria, December 2019

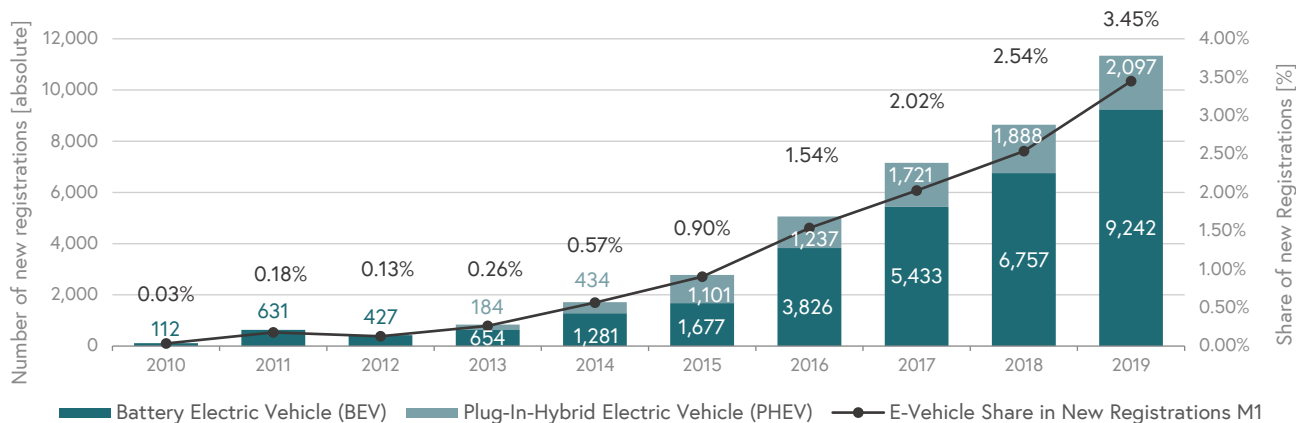
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since January 2016, there has been a steady upward trend in the newly registered e-vehicles. In December 2019, 691 BEV (+6% on the previous month), 252 PHEV (-15% on the previous month) and no FCEV (-100% on the previous month) were newly registered. The share of new registrations of e-vehicles in December 2019 was 4.16%.

Source: Statistics Austria; Data status: End of each month respectively 31.12.2019; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

New registrations of e-vehicles of category M1 by year (for Austria)



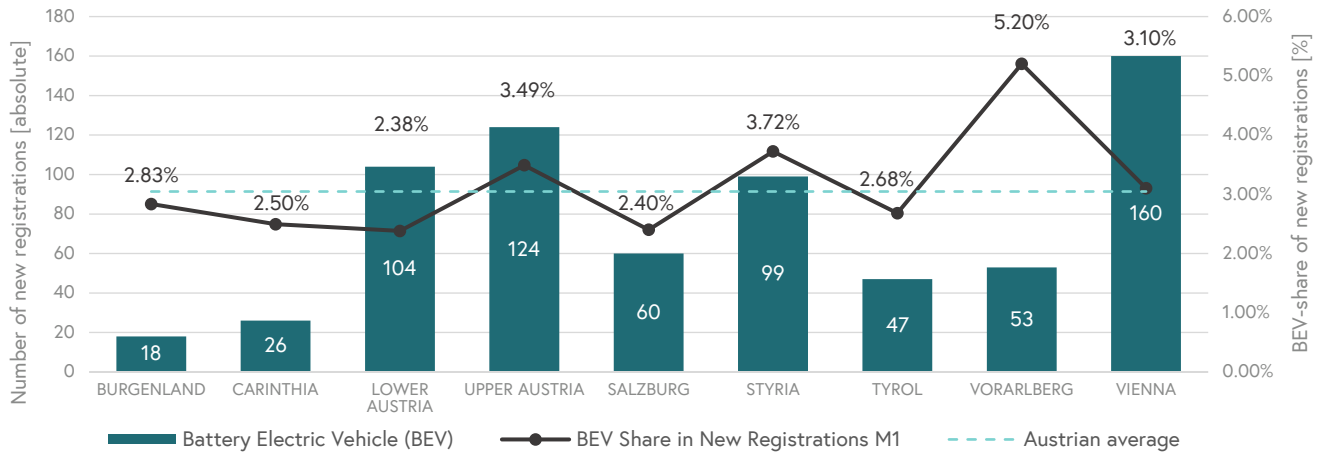
From January to December 2019, 9,242 BEV, 2,097 PHEV and 19 FCEV were newly registered. Compared to December 2018, new registrations of BEV increased by 20%, PHEV new registrations increased by 193% and FCEV new registrations decreased by 100%. The e-vehicle share of category M1 registrations from January to December 2019 is 3,45%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2019; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, December 2019

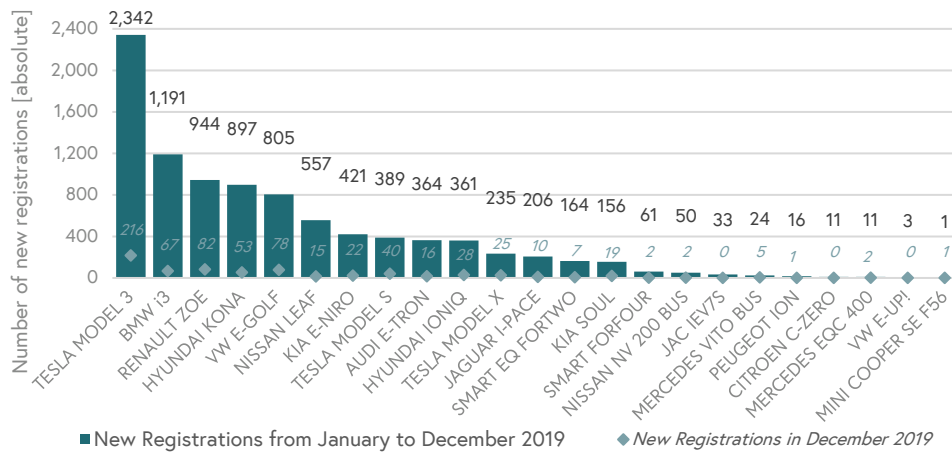
New registrations of BEV cars of category M1 by Austrian federal state (December 2019)



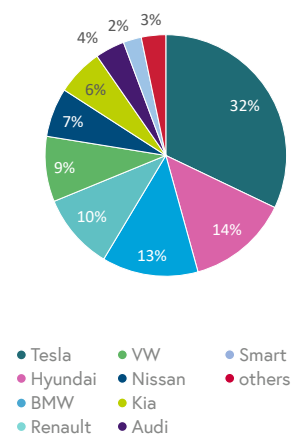
Compared with other Austrian federal states, Vorarlberg has the highest percentage of BEV in newly registered passenger cars at 5.20%, followed by Styria (3.72%) and Upper Austria (3.49%). Austria has a BEV share of 3.05%. In the absolute number of newly registered BEV, Vienna is ahead with 160 e-cars, followed by Upper Austria (124) and then Lower Austria (104).

Source: Statistics Austria; Data status: 31.12.2019; Illustration: AustriaTech

New registrations of BEV cars of category M1 by model (cumulated until December 2019)



BEV market share 2019 (M1)



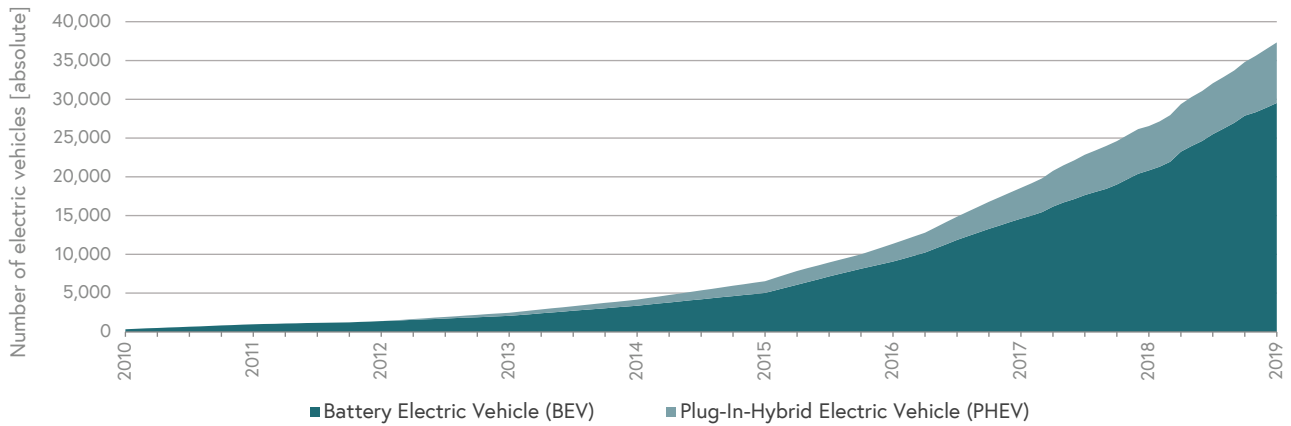
In the period from January to December 2019 the most popular model was the Tesla Model 3 with 2,342 units, followed by the BMW i3 with 1,191 units and the Renault Zoe with 944 units. The most popular model in December was the Tesla Model 3 with 216 units, followed by the Renault Zoe with 82 units and the VW e-Golf with 78 units. In the market share of new registrations from January to December 2019, Tesla takes first place with around 32%, followed by Hyundai with around 14% and then BMW with around 13%.

Source: Statistics Austria; Data status: 31.12.2019; Illustration: AustriaTech

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Electromobility in Austria, December 2019

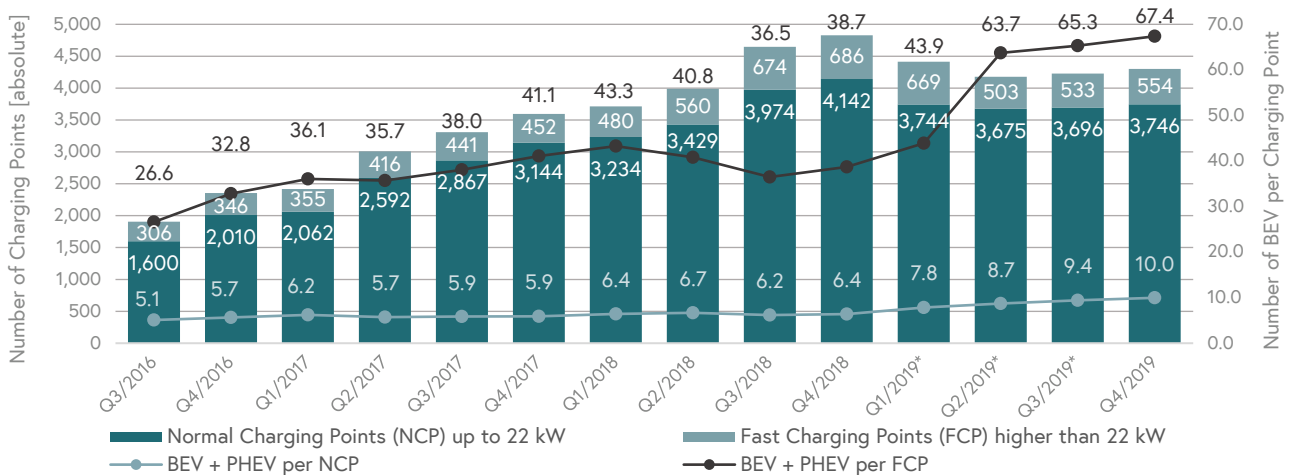
Population of e-vehicles of category M1 over time (for Austria)



While the number of battery electric vehicles rose moderately between 2010 and 2012 (approximately 1,400 in 2012), the number of electric vehicles has risen sharply since then, including in December 2019. As of the end of December 2019, 37,371 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 0.74%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2019; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

Publicly accessible charging points in Austria



The figure shows publicly available normal and fast charging points according to Directive 2014/94/EU. In total there are 3,746 normal charging points and 554 fast charging points until the end of the fourth quarter of 2019. At this moment there are ten electric cars (BEV and PHEV) on one NCP and about 67 on a FCP.

Source: <http://e-tankstellen-finder.com>; Data status: at the end of each quarter of the respective year; Illustration: AustriaTech

*Due to database adjustments, the number of charging points decreased since Q1/2019. This reduction was only in the underlying database, effectively the charging points did not decrease.

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Vehicle population by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Dec
Passenger Vehicle Class M1	4,441,027	4,513,421	4,584,202	4,641,308	4,694,921	4,748,048	4,821,557	4,898,578	4,978,852	5,039,548
Petrol incl. Flex-Fuel	1,988,079	1,997,066	2,001,295	2,003,699	2,011,104	2,019,139	2,038,019	2,080,434	2,139,239	2,179,236
Diesel	2,445,506	2,506,511	2,570,124	2,621,133	2,663,063	2,702,922	2,749,046	2,770,470	2,776,332	2,772,854
Battery Electric Vehicle (BEV)	353	989	1,389	2,070	3,386	5,032	9,073	14,618	20,831	29,523
Compressed natural gas CNG (monovalent/bivalent)	0	2,670	3,109	3,651	4,262	4,775	5,031	5,206	5,542	5,745
Plug-In Hybrid Electric Vehicle (PHEV)	n/a.	n/a.	n/a.	408	776	1,512	2,287	3,948	5,710	7,807
Fuel Cell Electric Vehicle (FCEV)	n/a.	n/a.	n/a.	n/a.	3	6	13	19	24	41
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	353	989	1,389	2,478	4,165	6,550	11,373	18,585	26,565	37,371
Electro Vehicle – Change on Previous Year	58.3%	180.2%	40.4%	78.4%	68.1%	57.3%	73.6%	63.4%	42.9%	40.0%
Electric Vehicle Share in Population M1	0.01%	0.02%	0.03%	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.74%
Further Electric Vehicles of the Classes L, M, N	3,217	4,024	5,120	5,594	6,067	6,532	7,524	8,912	10,920	13,918
Motorbikes/Tricycles/Quadricycles (Class L)	3,034	3,772	4,565	4,835	5,116	5,324	5,907	7,057	8,614	11,096
Busses Class M2 and M3	113	116	126	139	131	138	149	143	154	176
Duty Vehicle Class N1 (< 3.5 ton)	69	135	428	619	819	1,069	1,467	1,711	2,141	2,633
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	1	1	1	1	11	13

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2019; the PHEV population were calculated on the basis of the old PHEV population and the new registrations of PHEV of the respective month; Illustration: AustriaTech

New registrations by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Dec
Passenger Vehicle Class M1	328,563	356,145	336,010	319,035	303,318	308,555	329,604	353,320	341,068	329,389
Petrol incl. Flex-Fuel	159,740	159,027	143,325	134,276	126,503	122,832	131,756	163,701	184,150	176,706
Diesel	167,130	194,721	189,622	180,901	172,381	179,822	188,820	175,458	140,111	126,311
Battery Electric Vehicle (BEV)	112	631	427	654	1,281	1,677	3,826	5,433	6,757	9,242
Compressed natural gas CNG (monovalent/bivalent)	333	444	460	628	788	703	484	435	641	578
Plug-In Hybrid Electric Vehicle (PHEV)	0	0	0	184	434	1,101	1,237	1,721	1,888	2,097
Fuel Cell Electric Vehicle (FCEV)	0	0	0	0	3	9	5	0	7	19
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	112	631	427	838	1,718	2,787	5,068	7,154	8,652	11,358
Electro Vehicle Share of New Registrations M1	0.03%	0.18%	0.13%	0.26%	0.57%	0.90%	1.54%	2.02%	2.54%	3.45%
Further Electric Vehicles of the Classes L, M, N	1,225	979	1,400	791	876	930	1,949	1,910	2,724	2,998
Motorbikes/Tricycles/Quadricycles (Class L)	1,206	923	1,094	585	672	651	1,478	1,667	2,251	2,482
Busses Class M2 and M3	8	5	14	15	1	12	22	6	17	22
Duty Vehicle Class N1 (< 3.5 ton)	11	51	292	191	203	267	449	237	446	492
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	0	0	0	0	10	2

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2019; The values of the current year are cumulated (Jan - Dec.); Illustration: AustriaTech

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Electromobility in Austria, December 2019

Glossary

E-Vehicles	BEV + PHEV + FCEV
BEV	Battery Electric Vehicle
PHEV	Plug-In-Hybrid Electric Vehicle
FCEV	Fuel Cell Electric Vehicle

About AustriaTech

AustriaTech is a 100% subsidiary of the Federal Ministry of Transport, Innovation and Technology (BMVIT). It acts as an integrator in the field of mobility and supports the transformation processes towards an ecological, efficient and modern transport system. The activities range from new services and digital infrastructure to automated mobility. Electromobility activities include a continually monitoring and annual electromobility highlights, as well as participation in various working groups and supporting actions in ongoing activities such as subsidies, research programs, guidelines.

All Facts & Figures can be found at:
<https://www.bmvit.gv.at/e-faktencheck>

Media owner and publisher:
Federal Ministry of Transport, Innovation and Technology
Radetzkystraße 2, A-1030 Vienna, Tel +43 (0) 1 711 62 65 0

Created by AustriaTech, December 2019
If you have any questions, contact: e-mobility@austriatech.at

 Federal Ministry
Transport, Innovation
and Technology

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