

Electromobility in Austria

Facts & Figures
December 2020



Highlights in December 2020

In December, 4,530 electric vehicles were newly registered in Austria and the stock has risen to 60,226. Compared to other federal states, Tyrol has a BEV share of 22.43% in new registrations. The VW ID.3 is the most popular BEV model with 694 new registrations in December 2020. In the comparison of brands Tesla leads with around 20% 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.



4,530
E-Vehicles
New Registrations



60,226
E-Vehicles
Population



Tyrol
With 22.43%
Highest BEV-Share

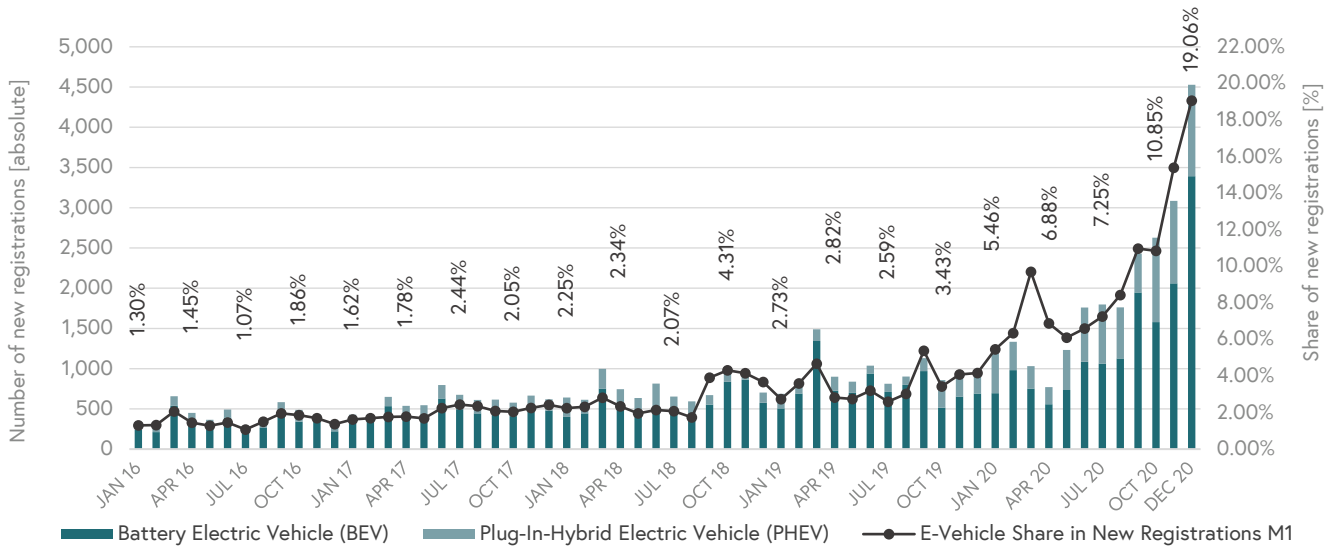


VW ID.3
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, December 2020

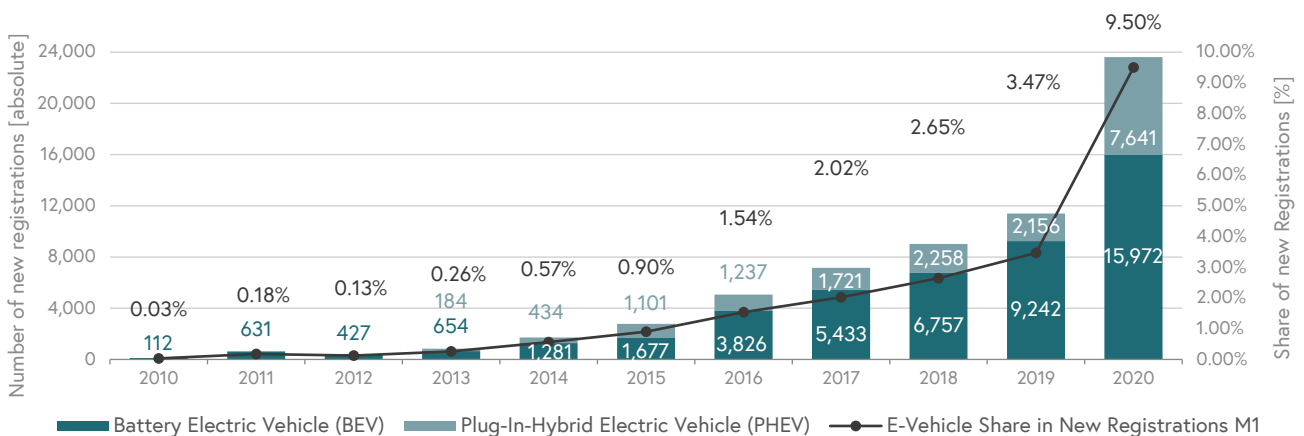
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since January 2016, there has been a steady upward trend in the newly registered e-vehicles. In December 2020, 3,391 BEV (+65% on the previous month), 1,138 PHEV (+11% on the previous month) and one FCEV (equal to the previous month) were newly registered. The share of new registrations of e-vehicles in December 2020 was 19.06%.

Source: Statistics Austria; Data status: End of each month respectively 31.12.2020; 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)



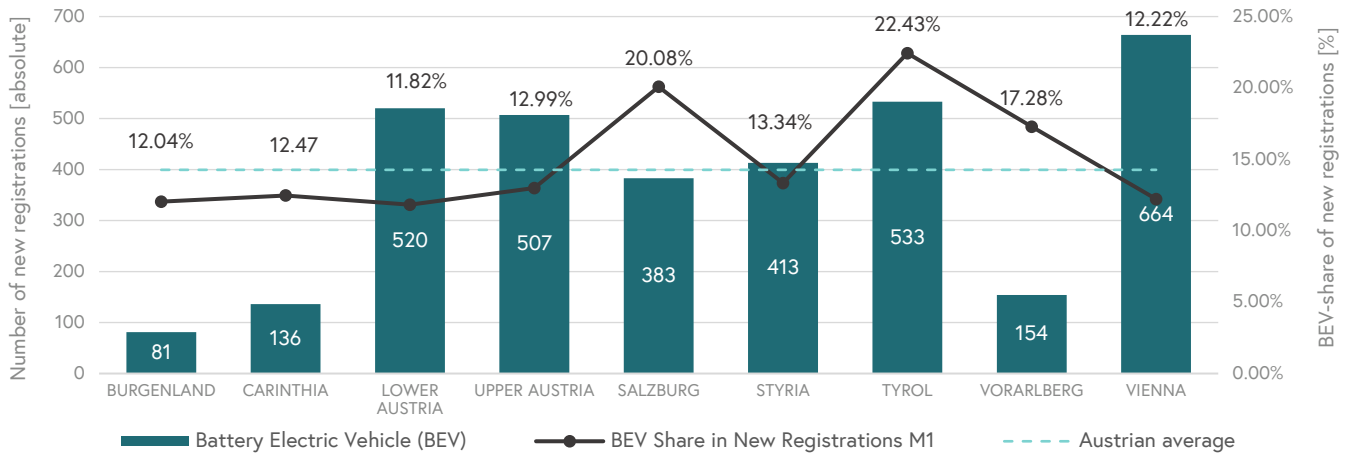
From January to December 2020, 15,972 BEV, 7,641 PHEV and 14 FCEV were newly registered. Compared to December 2019, new registrations of BEV increased by 319%, PHEV new registrations increased by 352% and FCEV new registrations increased by one unit. The e-vehicle share of category M1 registrations in December 2020 is 9.50%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2020; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, December 2020

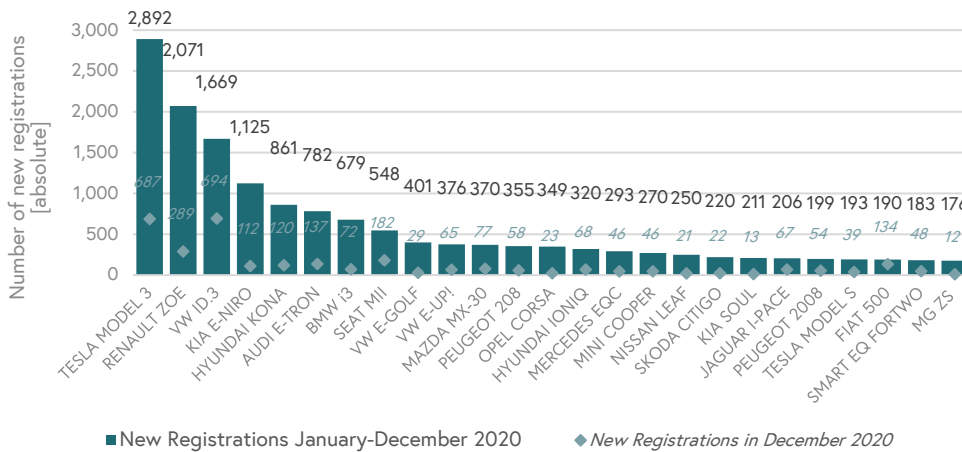
New registrations of BEV cars of category M1 by Austrian federal state (December 2020)



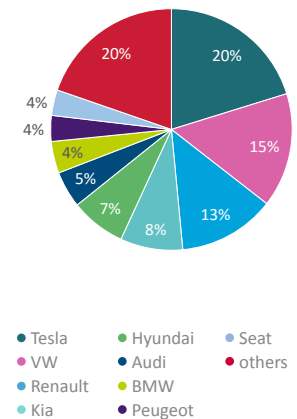
Compared with other Austrian federal states, Tyrol has the highest percentage of BEV in newly registered passenger cars at 22.43%, followed by Salzburg (20.08%) and Vorarlberg (17.28%). Austria has a BEV share of 14.26%. In the absolute number of newly registered BEV, Vienna is ahead with 664, followed by Tyrol (533) and then Lower Austria (520).

Source: Statistics Austria; Data status: 31.12.2020; Illustration: AustriaTech

New registrations of BEV cars of category M1 by model (December 2020)



BEV market share 2020 (M1)



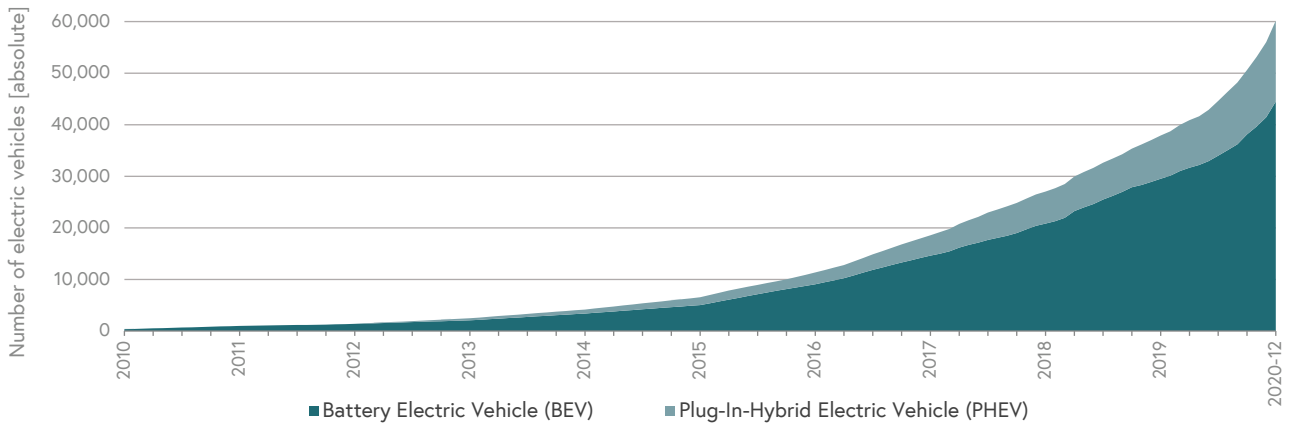
In the period from January to December 2020 the most popular model was the Tesla Model 3 with 2,892 units, followed by the Renault Zoe with 2,071 units and the VW ID.3 with 1,669 units. The most popular model in December was the VW ID.3 with 694 units, followed by the Tesla Model 3 with 687 units and the Renault Zoe with 289 units. In the market share of new registrations from January to December 2020, Tesla takes first place with around 20%, followed by VW with around 15% and then Renault with around 13%.

Source: Statistics Austria; Data status: 31.12.2020; only the top 25 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, December 2020

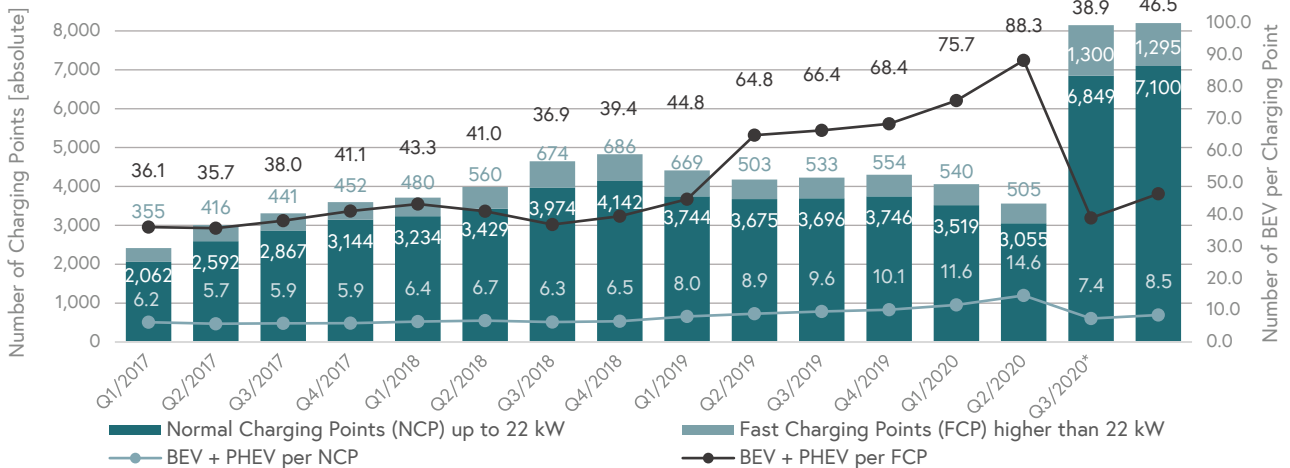
Population of e-vehicles of category M1 over time (for Austria)



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 2020. As of the end of December 2020, 60,226 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 1.18%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2020; 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 7,100 normal charging points and 1,295 fast charging points until the end of the third quarter of 2020. At this moment there are about nine electric cars (BEV and PHEV) on one NCP and about 47 on a FCP.

Source: 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 and Q2/2020. This reduction was only in the underlying database, effectively the charging points did not decrease. Most of these adjustments have now been corrected, resulting in the appearance of a sharp increase in charging points.

Facts & Figures

Electromobility in Austria, December 2020

Vehicle population by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 Dec
Passenger Vehicle Class M1	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	5,091,398
Petrol incl. Flex-Fuel	1,997,066	2,001,295	2,003,699	2,011,104	2,019,139	2,038,019	2,080,434	2,139,239	2,179,235	2,195,489
Diesel	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	2,761,991
Battery Electric Vehicle (BEV)	989	1,389	2,070	3,386	5,032	9,073	14,618	20,831	29,523	44,498
Compressed natural gas CNG (monovalent/bivalent)	2,670	3,109	3,651	4,262	4,775	5,031	5,206	5,542	5,746	5,728
Plug-In Hybrid Electric Vehicle (PHEV)	n/a.	n/a.	408	776	1,512	2,287	3,948	5,710	8,042	15,683
Fuel Cell Electric Vehicle (FCEV)	n/a.	n/a.	n/a.	3	6	13	19	24	41	45
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	989	1,389	2,478	4,165	6,550	11,373	18,585	26,565	37,606	60,226
Electro Vehicle – Change on Previous Year	180.2%	40.4%	78.4%	68.1%	57.3%	73.6%	63.4%	42.9%	38.9%	58.7%
Electric Vehicle Share in Population M1	0.02%	0.03%	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.18%
Further Electric Vehicles of the Classes L, M, N	4,024	5,120	5,594	6,067	6,532	7,524	8,912	10,920	13,311	16,868
Motorbikes/Tricycles/Quadracycles (Class L)	3,772	4,565	4,835	5,116	5,324	5,907	7,057	8,614	10,533	13,338
Busses Class M2 and M3	116	126	139	131	138	149	143	154	161	175
Duty Vehicle Class N1 (< 3.5 ton)	135	428	619	819	1,069	1,467	1,711	2,141	2,605	3,343
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	1	1	1	11	12	12

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2020; 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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 Dec
Passenger Vehicle Class M1	356,145	336,010	319,035	303,318	308,555	329,604	353,320	341,068	329,389	248,740
Petrol incl. Flex-Fuel	159,027	143,325	134,276	126,503	122,832	131,756	163,701	184,150	176,706	107,771
Diesel	194,721	189,622	180,901	172,381	179,822	188,820	175,458	140,111	126,311	90,909
Battery Electric Vehicle (BEV)	631	427	654	1,281	1,677	3,826	5,433	6,757	9,242	15,972
Compressed natural gas CNG (monovalent/bivalent)	444	460	628	788	703	484	435	641	578	407
Plug-In Hybrid Electric Vehicle (PHEV)	0	0	184	434	1,101	1,237	1,721	1,888	2,097	7,641
Fuel Cell Electric Vehicle (FCEV)	0	0	0	3	9	5	0	7	19	14
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	631	427	838	1,718	2,787	5,068	7,154	8,652	11,358	23,627
Electro Vehicle Share of New Registrations M1	0.18%	0.13%	0.26%	0.57%	0.90%	1.54%	2.02%	2.54%	3.45%	9.50%
Further Electric Vehicles of the Classes L, M, N	979	1,400	791	876	930	1,949	1,910	2,724	3,141	3,557
Motorbikes/Tricycles/Quadracycles (Class L)	923	1,094	585	672	651	1,478	1,667	2,251	2,617	2,805
Busses Class M2 and M3	5	14	15	1	12	22	6	17	22	14
Duty Vehicle Class N1 (< 3.5 ton)	51	292	191	203	267	449	237	446	500	738
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	0	0	0	10	2	0

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2020; The values of the current year are cumulated (Jan - Dec); Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, December 2020

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 Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK). 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 and guidelines.

All Facts & Figures can be found at:

bmk.gv.at/e-faktencheck

Media owner and publisher:

Federal Ministry of Climate Action, Environment, Energy,
Mobility, Innovation and Technology

Radetzkystraße 2, A-1030 Vienna, Tel +43 (0) 1 711 62 65 0

Created and designed by AustriaTech, December 2020

If you have any questions, contact: e-mobility@austriatech.at

 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

austriatech