

Electromobility in Austria

Facts & Figures
September 2020



Highlights in September 2020

In September, 2,431 electric vehicles were newly registered in Austria and the stock has risen to 50,642. Compared to other federal states, Upper Austria has a BEV share of 11.17% in new registrations. The Tesla Model 3 is the most popular BEV model with 546 new registrations in September 2020. In the comparison of brands Tesla leads with around 25% 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.



2,431
E-Vehicles
New Registrations



50,642
E-Vehicles
Population



Upper Austria
With 11.17%
Highest BEV-Share

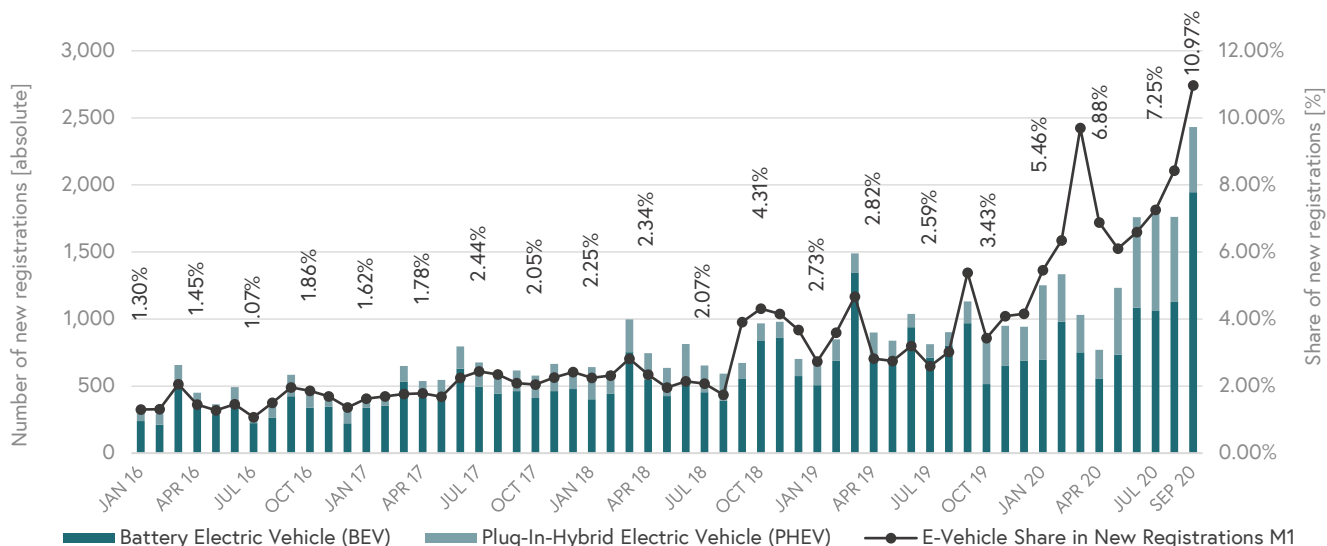


Tesla Model 3
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, September 2020

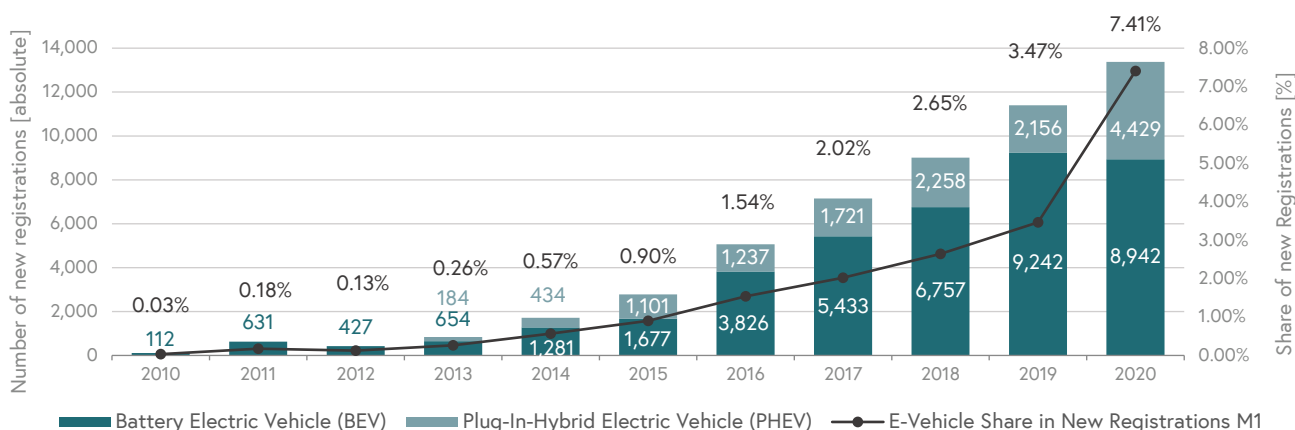
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since January 2016, there has been a steady upward trend in the newly registered e-vehicles. In September 2020, 1,946 BEV (+73% on the previous month), 485 PHEV (-24% on the previous month) and no FCEV (no change in comparison to the preceding month) were newly registered. The share of new registrations of e-vehicles in September 2020 was 10.97%.

Source: Statistics Austria; Data status: End of each month respectively 30.09.2020; 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)



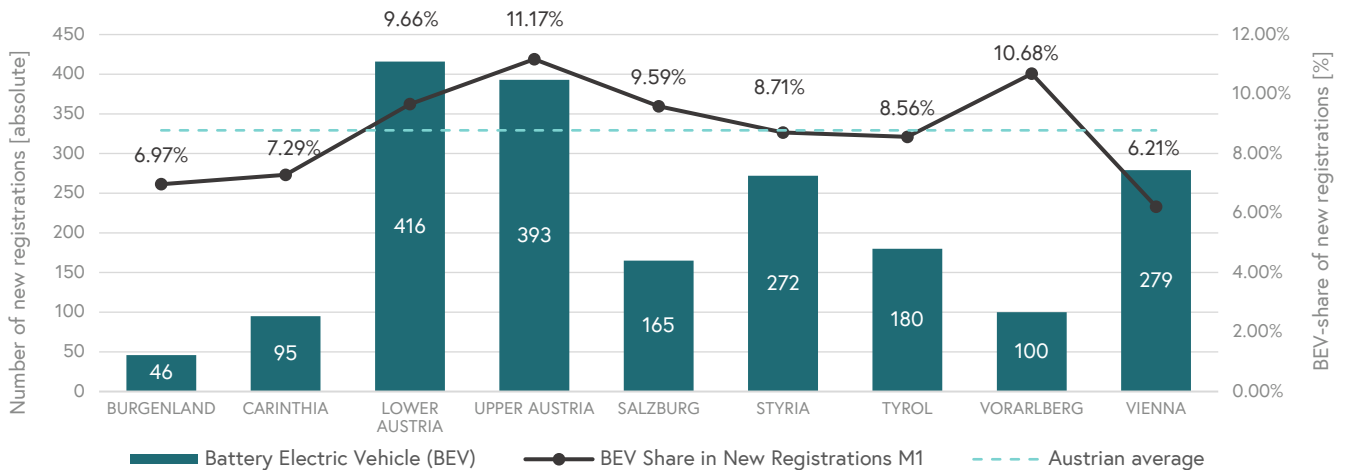
From January to September 2020, 8,942 BEV, 4,429 PHEV and seven FCEV were newly registered. Compared to September 2019, new registrations of BEV increased by 101%, PHEV new registrations increased by 199% and FCEV new registrations dropped from one to zero vehicles. The e-vehicle share of category M1 registrations in September 2020 is 7.41%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.09.2020; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, September 2020

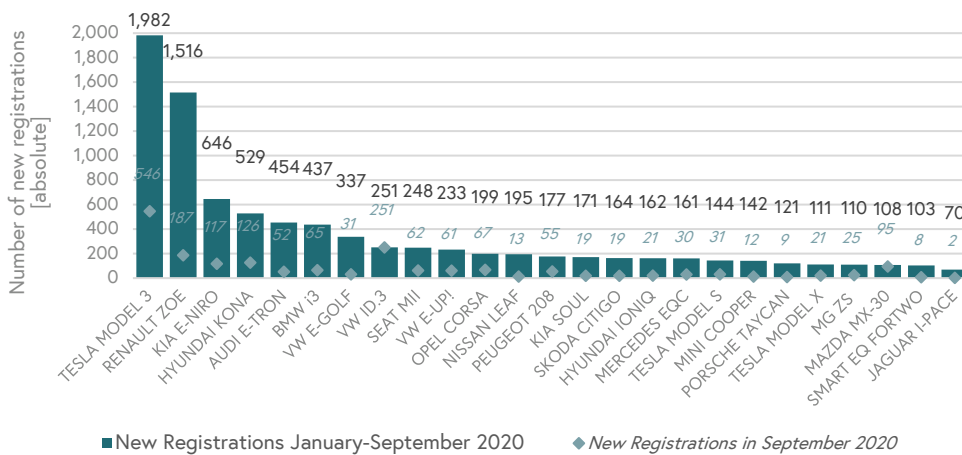
New registrations of BEV cars of category M1 by Austrian federal state (September 2020)



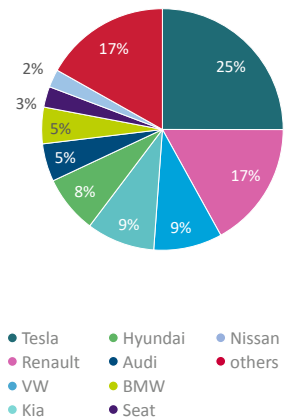
Compared with other Austrian federal states, Upper Austria has the highest percentage of BEV in newly registered passenger cars at 11.17%, followed by Vorarlberg (10.68%) and Lower Austria (9.66%). Austria has a BEV share of 8.78%. In the absolute number of newly registered BEV, Lower Austria is ahead with 416, followed by Upper Austria (393) and then Vienna (279).

Source: Statistics Austria; Data status: 30.09.2020; Illustration: AustriaTech

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



BEV market share 2020 (M1)



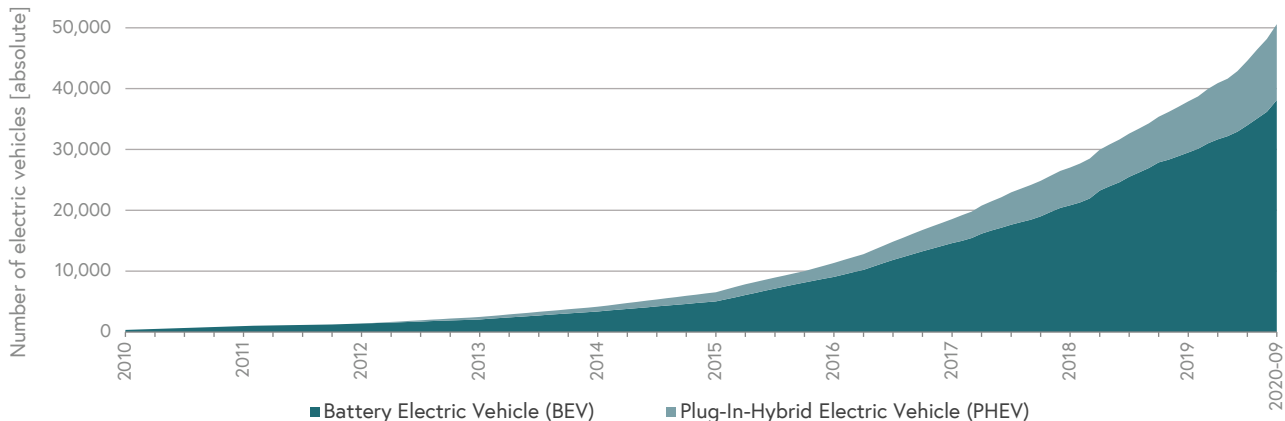
In the period from January to September 2020 the most popular model was the Tesla Model 3 with 1,982 units, followed by the Renault Zoe with 1,516 units and the Kia E-Niro with 646 units. The most popular model in September was the Tesla Model 3 with 546 units, followed by the VW ID.3 with 251 units and the Renault Zoe with 187 units. In the market share of new registrations from January to September 2020, Tesla takes first place with around 25%, followed by Renault with around 17% and then VW with around 9%.

Source: Statistics Austria; Data status: 30.09.2020; only the top 25 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

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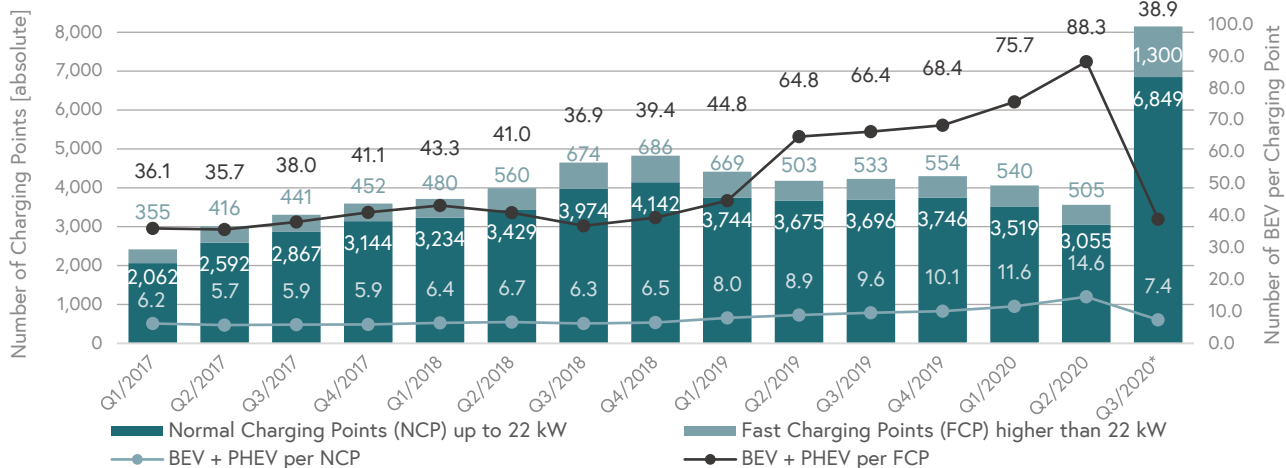
Population of e-vehicles of category M1 over time (for Austria)



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 September 2020. As of the end of September 2020, 50,642 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 1.00%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.09.2020; 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 6,849 normal charging points and 1,300 fast charging points until the end of the third quarter of 2020. At this moment there are about 7 electric cars (BEV and PHEV) on one NCP and about 39 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.

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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 Sep
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	5,079,327
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	2,195,541
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	2,767,323
Battery Electric Vehicle (BEV)	989	1,389	2,070	3,386	5,032	9,073	14,618	20,831	29,523	38,129
Compressed natural gas CNG (monovalent/bivalent)	2,670	3,109	3,651	4,262	4,775	5,031	5,206	5,542	5,746	5,760
Plug-In Hybrid Electric Vehicle (PHEV)	n/a.	n/a.	408	776	1,512	2,287	3,948	5,710	8,042	12,471
Fuel Cell Electric Vehicle (FCEV)	n/a.	n/a.	n/a.	3	6	13	19	24	41	42
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	989	1,389	2,478	4,165	6,550	11,373	18,585	26,565	37,606	50,642
Electro Vehicle – Change on Previous Year	180.2%	40.4%	78.4%	68.1%	57.3%	73.6%	63.4%	42.9%	38.9%	43.0%
Electric Vehicle Share in Population M1	0.02%	0.03%	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.00%
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	15,951
Motorbikes/Tricycles/Quadracycles (Class L)	3,772	4,565	4,835	5,116	5,324	5,907	7,057	8,614	10,533	12,766
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	2,998
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 30.09.2020; 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 Sep
Passenger Vehicle Class M1	356,145	336,010	319,035	303,318	308,555	329,604	353,320	341,068	329,389	180,639
Petrol incl. Flex-Fuel	159,027	143,325	134,276	126,503	122,832	131,756	163,701	184,150	176,706	81,805
Diesel	194,721	189,622	180,901	172,381	179,822	188,820	175,458	140,111	126,311	68,384
Battery Electric Vehicle (BEV)	631	427	654	1,281	1,677	3,826	5,433	6,757	9,242	8,942
Compressed natural gas CNG (monovalent/bivalent)	444	460	628	788	703	484	435	641	578	335
Plug-In Hybrid Electric Vehicle (PHEV)	0	0	184	434	1,101	1,237	1,721	1,888	2,097	4,429
Fuel Cell Electric Vehicle (FCEV)	0	0	0	3	9	5	0	7	19	7
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	631	427	838	1,718	2,787	5,068	7,154	8,652	11,358	13,378
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%	7.41%
Further Electric Vehicles of the Classes L, M, N	979	1,400	791	876	930	1,949	1,910	2,724	3,141	2,640
Motorbikes/Tricycles/Quadracycles (Class L)	923	1,094	585	672	651	1,478	1,667	2,251	2,617	2,233
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	393
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 30.09.2020; The values of the current year are cumulated (Jan - Sep); Illustration: AustriaTech

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Electromobility in Austria, September 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

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Created and designed by AustriaTech, September 2020

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