

Electromobility in Austria

Facts & Figures
October 2021



Highlights in October 2021

In October, 3,468 electric vehicles were newly registered in Austria and the stock has risen to 97,962. Compared to other federal states, Vorarlberg has a BEV share of 19.41% in new registrations. The Hyundai Ioniq is the most popular BEV model with 222 new registrations in October 2021. In the comparison of brands VW leads with around 19% 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.



3,468
E-Vehicles
New Registrations



97,962
E-Vehicles
Population



Vorarlberg
With 19.41%
Highest BEV-Share

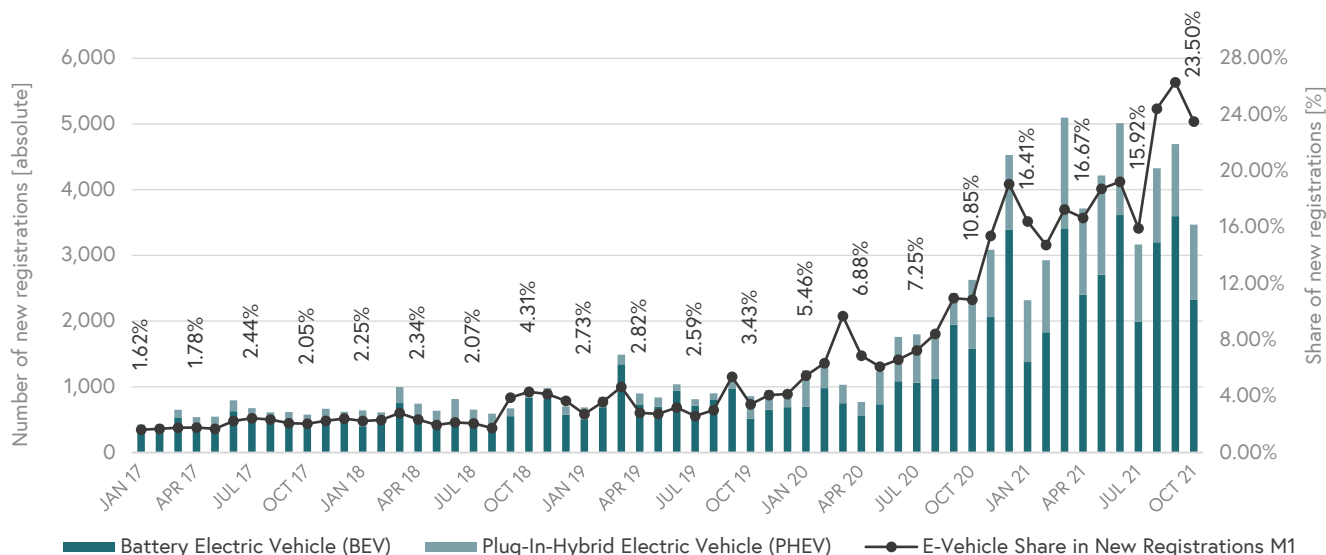


Hyundai Ioniq
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, October 2021

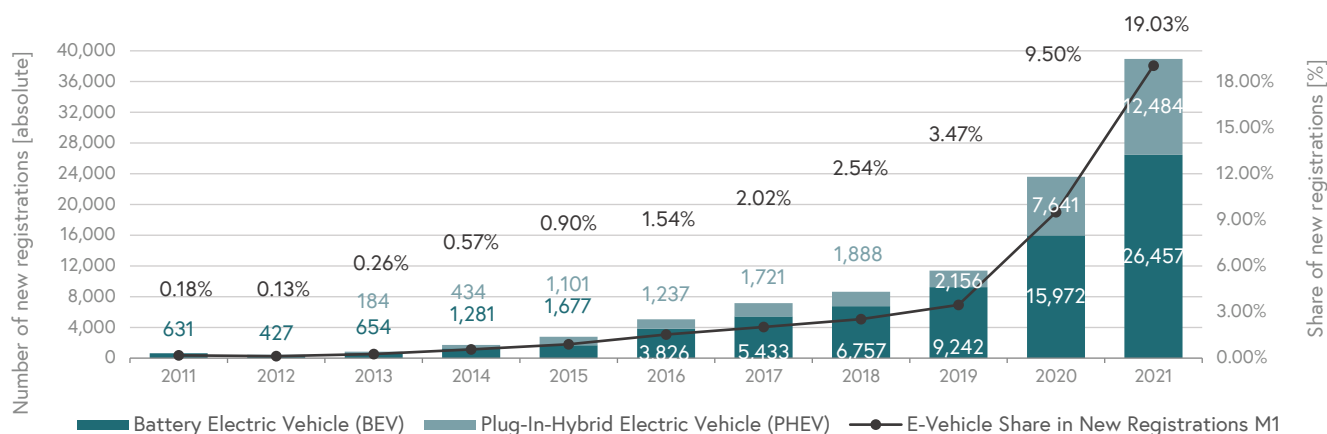
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since February 2017, there has been a steady upward trend in the newly registered e-vehicles. In October 2021, 2,323 BEV (-35% to the previous month), 1,144 PHEV (+4% to the previous month) and one FCEV (-50% to the previous month) were newly registered. The share of new registrations of e-vehicles in October 2021 was 23,50%.

Source: Statistics Austria; Data status: End of each month respectively 31.10.2021; 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)



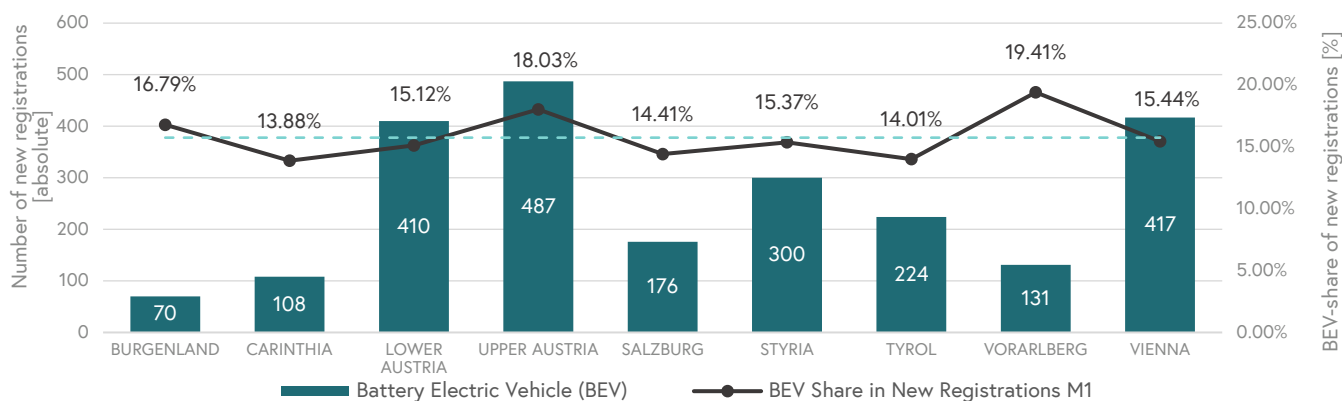
From January to October 2021, 26,457 BEV, 12,484 PHEV and ten FCEV were newly registered. Compared to October 2020, new registrations of BEV increased by 47%, PHEV new registrations increased by 9% and FCEV new registrations decreased by 80%. The e-vehicle share of category M1 registrations from January to October 2021 is 19.03%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2021; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, October 2021

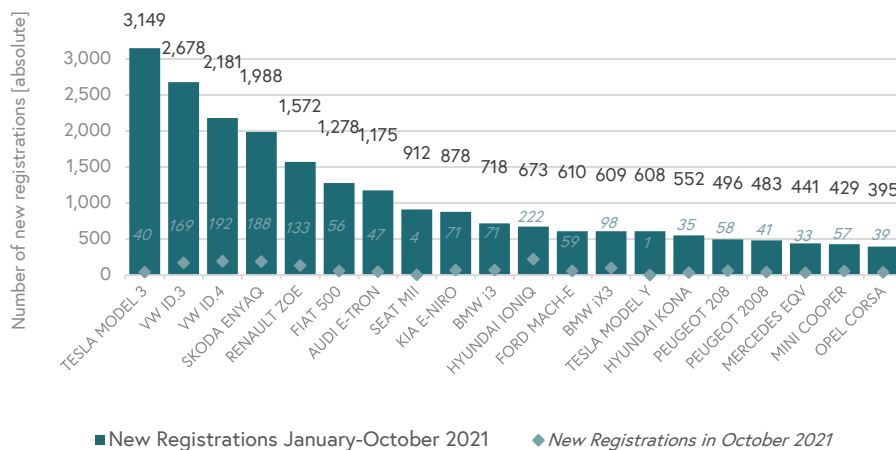
New registrations of BEV cars of category M1 by Austrian federal state (October 2021)



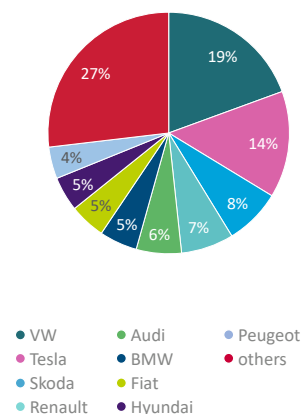
Compared with other Austrian federal states, Vorarlberg has the highest percentage of BEV in newly registered passenger cars at 19.41%, followed by Upper Austria (18.03%) and Burgenland (16.79%). Austria has a BEV share of 15.74%. In the absolute number of newly registered BEV, Upper Austria is ahead with 487, followed by Vienna (417) and then Lower Austria (410).

Source: Statistics Austria; Data status: 31.10.2021; Illustration: AustriaTech

New registrations of BEV cars of category M1 by model (October 2021)



BEV market share 2021 (M1)



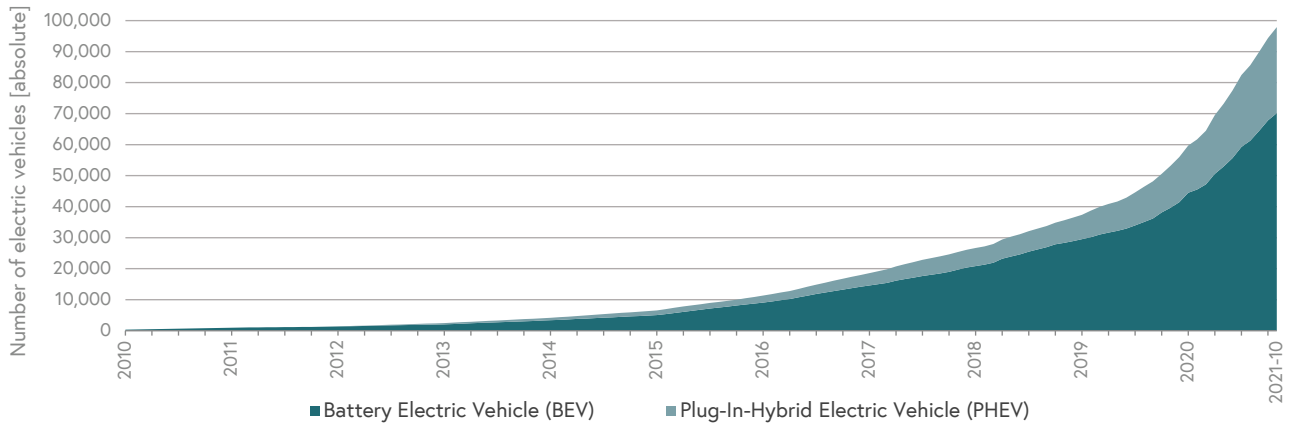
In the period from January to October 2021 the most popular model was the Tesla Model 3 with 3,149 units, followed by the VW ID.3 with 2,678 units and the VW ID.4 with 2,181 units. The most popular model in October was the Hyundai Ioniq with 222 units, followed by the VW ID.4 with 192 units and the Skoda Enyaq with 188 units. In the market share of new registrations from October 2021, VW takes first place with around 19%, followed by Tesla with around 14% and then Skoda with around 8%.

Source: Statistics Austria; Data status: 31.10.2021; only the top 25 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, October 2021

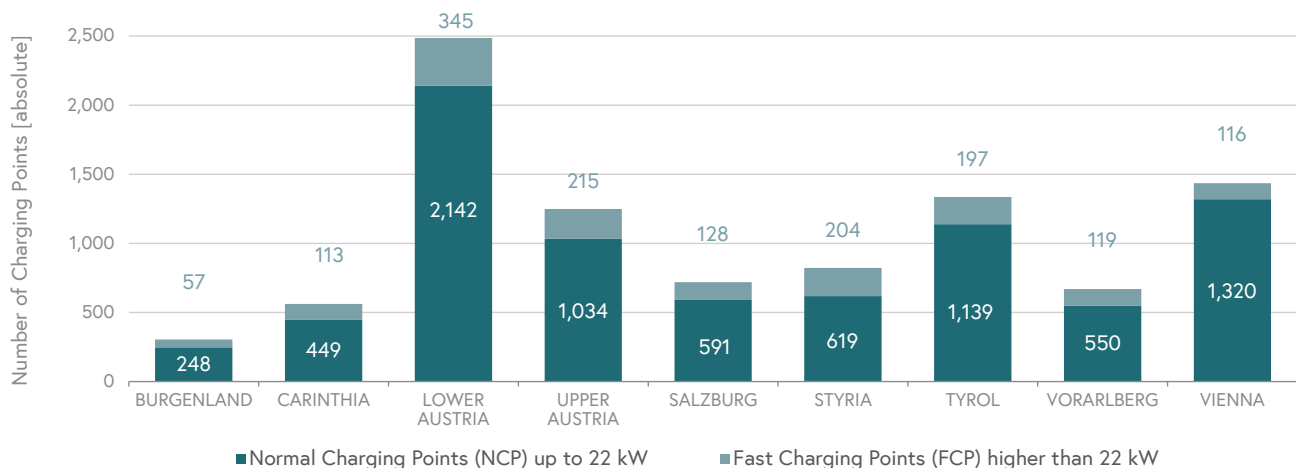
Population of e-vehicles of category M1 over time (for Austria)



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 October 2021. As of the end of October 2021, 97,962 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 1.91%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2021; 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 per federal state. In total, there were 8,092 normal charging points and 1,494 fast charging points after the third quarter of 2021. At this moment there are around twelve e-cars (BEV and PHEV) per NLP and around 63 per SLP in Austria. There are a total of 9,586 charging points in Austria, where there are around ten e-cars per charging point.

Source: ladestellen.at (E-Control); Data status: 30.09.2021; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, October 2021

Vehicle population by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 Oct
Passenger Vehicle Class M1	4,584,202	4,641,308	4,694,921	4,748,048	4,821,557	4,898,578	4,978,852	5,039,548	5,091,827	5,135,815
Petrol incl. Flex-Fuel	2,001,295	2,003,699	2,011,104	2,019,139	2,038,019	2,080,434	2,139,239	2,179,235	2,195,578	2,202,380
Diesel	2,570,124	2,621,133	2,663,063	2,702,922	2,749,046	2,770,470	2,776,332	2,772,854	2,762,273	2,728,035
Battery Electric Vehicle (BEV)	1,389	2,070	3,386	5,032	9,073	14,618	20,831	29,523	44,507	70,184
Compressed natural gas CNG (monovalent/bivalent)	3,109	3,651	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,496
Plug-In Hybrid Electric Vehicle (PHEV)	n/a.	408	776	1,512	2,287	3,948	5,710	8,042	15,237	27,721
Fuel Cell Electric Vehicle (FCEV)	n/a.	n/a.	3	6	13	19	24	41	45	57
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	1,389	2,478	4,165	6,550	11,373	18,585	26,565	37,606	59,789	97,962
Electro Vehicle – Change on Previous Year	40.4%	78.4%	68.1%	57.3%	73.6%	63.4%	42.9%	38.9%	59.0%	84.1%
Electric Vehicle Share in Population M1	0.03%	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	1.91%
Further Electric Vehicles of the Classes L, M, N	5,120	5,594	6,067	6,532	7,524	8,912	10,920	13,311	16,080	21,371
Motorbikes/Tricycles/Quadracycles (Class L)	4,565	4,835	5,116	5,324	5,907	7,057	8,614	10,533	12,565	16,108
Busses Class M2 and M3	126	139	131	138	149	143	154	161	172	182
Duty Vehicle Class N1 (< 3.5 ton)	428	619	819	1,069	1,467	1,711	2,141	2,605	3,330	5,049
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	1	1	11	12	13	32

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2021; 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	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 Oct
Passenger Vehicle Class M1	336,010	319,035	303,318	308,555	329,604	353,320	341,068	329,363	248,740	204,636
Petrol incl. Flex-Fuel	143,325	134,276	126,503	122,832	131,756	163,701	184,150	176,706	107,771	80,084
Diesel	189,622	180,901	172,381	179,822	188,820	175,458	140,111	126,311	90,909	49,555
Battery Electric Vehicle (BEV)	427	654	1,281	1,677	3,826	5,433	6,757	9,242	15,972	26,457
Compressed natural gas CNG (monovalent/bivalent)	460	628	788	703	484	435	641	578	407	81
Plug-In Hybrid Electric Vehicle (PHEV)	0	184	434	1,101	1,237	1,721	1,888	2,156	7,641	12,484
Fuel Cell Electric Vehicle (FCEV)	0	0	3	9	5	0	7	19	14	10
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	427	838	1,718	2,787	5,068	7,154	8,652	11,417	23,627	38,951
Electro Vehicle Share of New Registrations M1	0.13%	0.26%	0.57%	0.90%	1.54%	2.02%	2.54%	3.47%	9.50%	19.03%
Further Electric Vehicles of the Classes L, M, N	1,400	791	876	930	1,949	1,910	2,724	3,141	3,558	5,291
Motorbikes/Tricycles/Quadracycles (Class L)	1,094	585	672	651	1,478	1,667	2,251	2,617	2,805	3,543
Busses Class M2 and M3	14	15	1	12	22	6	17	22	14	10
Duty Vehicle Class N1 (< 3.5 ton)	292	191	203	267	449	237	446	500	739	1,719
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	0	0	10	2	0	19

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2021; The values of the current year are cumulated (Jan-Oct); Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, October 2021

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

Coverphoto ©Shutterstock / GLF Media

Created and designed by AustriaTech, October 2021

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

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

austriatech