

Electromobility in Austria

Facts & Figures
July 2021



Highlights in July 2021

In July, 3,168 electric vehicles were newly registered in Austria and the stock has risen to 85,678. Compared to other federal states, Vorarlberg has a BEV share of 14.94% in new registrations. The VW ID.3 is the most popular BEV model with 181 new registrations in July 2021. In the comparison of brands VW 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.



3,168
E-Vehicles
New Registrations



85,678
E-Vehicles
Population



Vorarlberg
With 14.94%
Highest BEV-Share

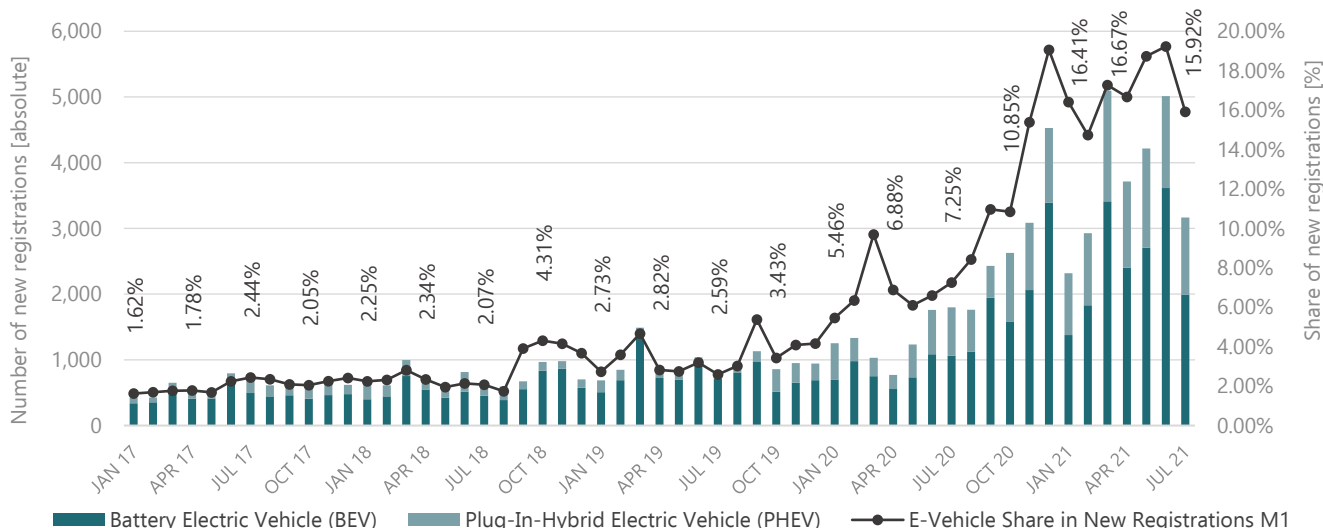


VW ID.3
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, July 2021

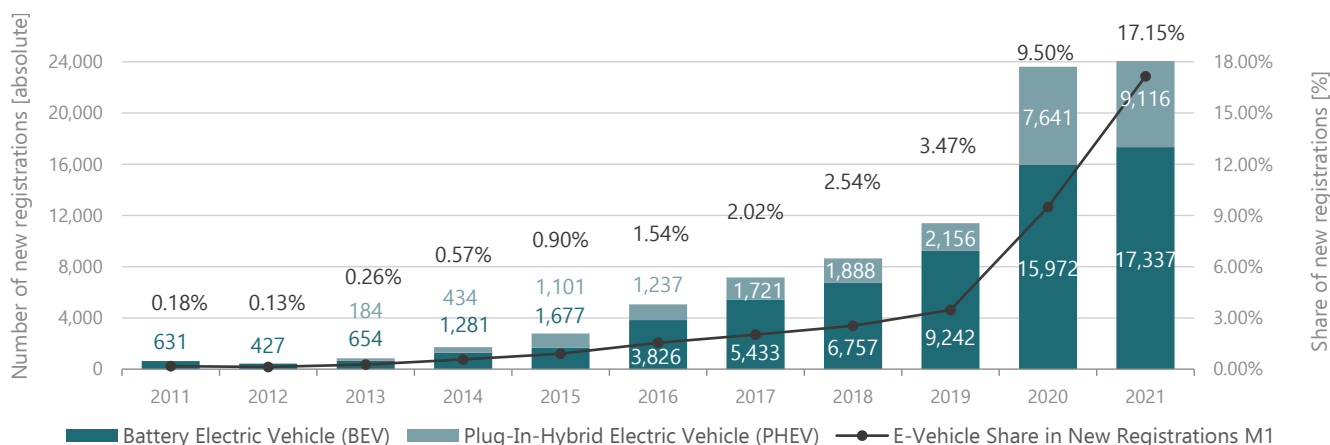
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since February 2017, there has been a steady upward trend in the newly registered e-vehicles. In July 2021, 1,990 BEV (-45% to the previous month), 1,176 PHEV (-16% to the previous month) and two FCEV (+100% to the previous month) were newly registered. The share of new registrations of e-vehicles in July 2021 was 15.92%.

Source: Statistics Austria; Data status: End of each month respectively 31.07.2021; 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)



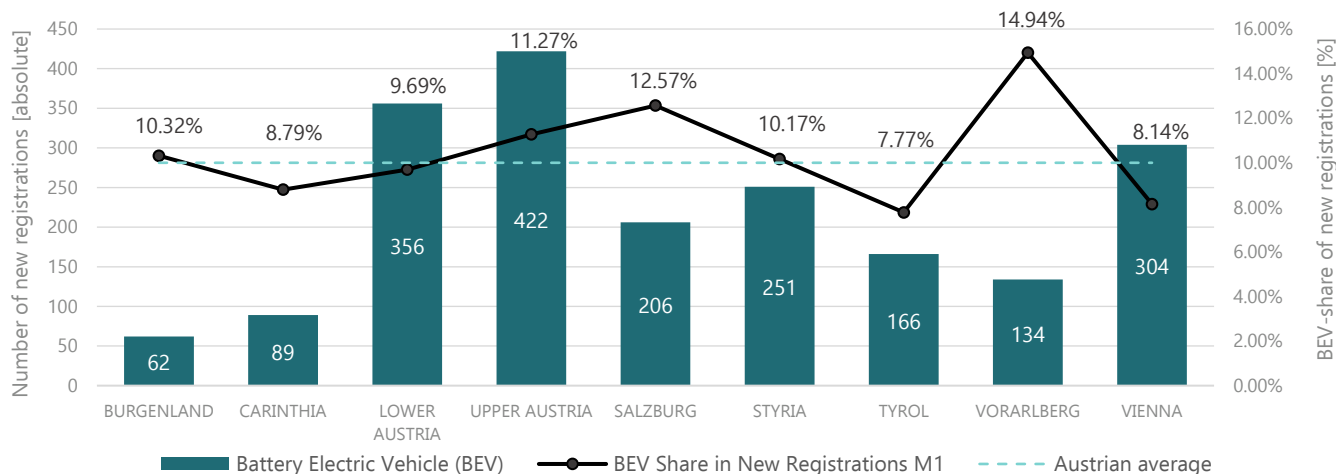
From January to July 2021, 17,337 BEV, 9,116 PHEV and six FCEV were newly registered. Compared to July 2020, new registrations of BEV increased by 87%, PHEV new registrations increased by 60% and FCEV new registrations increased by two units. The e-vehicle share of category M1 registrations from January to July 2021 is 17.15%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.07.2021; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, July 2021

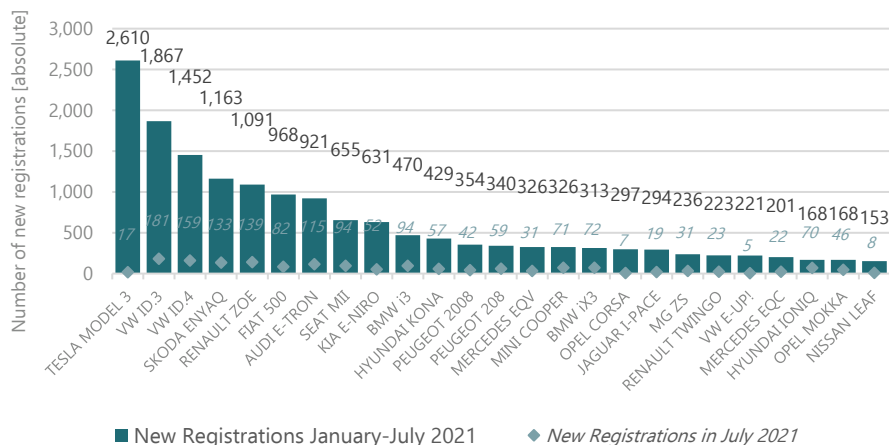
New registrations of BEV cars of category M1 by Austrian federal state (July 2021)



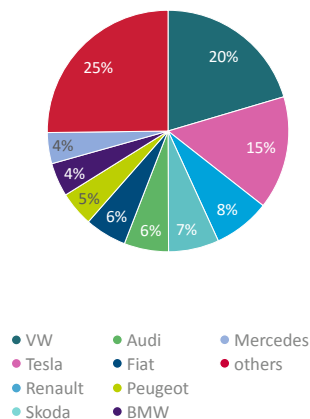
Compared with other Austrian federal states, Vorarlberg has the highest percentage of BEV in newly registered passenger cars at 14.94%, followed by Salzburg (12.57%) and Upper Austria (11.27%). Austria has a BEV share of 10,00%. In the absolute number of newly registered BEV, Upper Austria is ahead with 422, followed by Lower Austria (356) and then Vienna (304).

Source: Statistics Austria; Data status: 31.07.2021; Illustration: AustriaTech

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



BEV market share 2021 (M1)



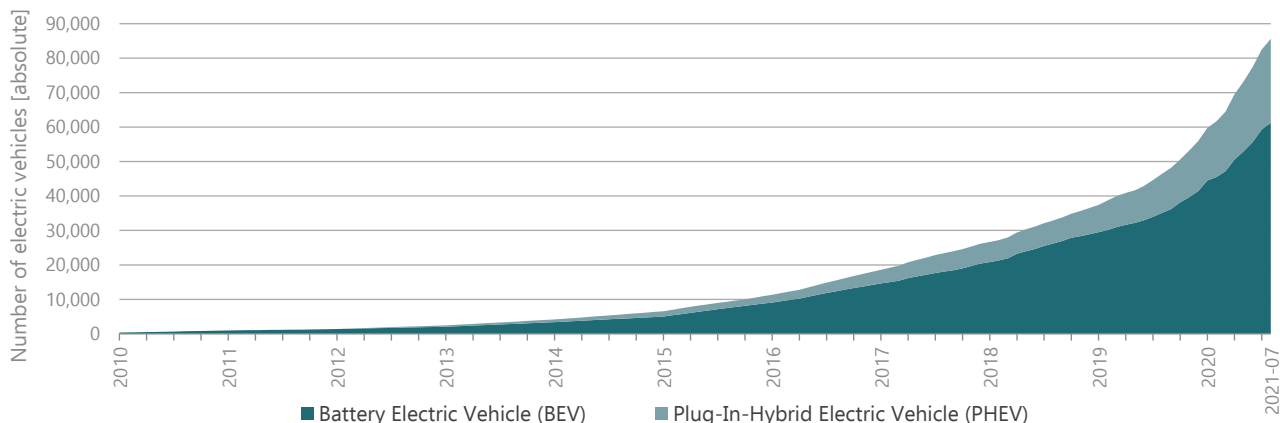
In the period from January to July 2021 the most popular model was the Tesla Model 3 with 2,610 units, followed by the VW ID.3 with 1,867 units and the VW ID.4 with 1,452 units. The most popular model in July was the VW ID.3 with 181 units, followed by the VW ID.4 with 159 units and the Renault Zoe and Ford Mustang Mach-E (139 units for both models). In the market share of new registrations from July 2021, VW takes first place with around 20%, followed by Tesla with around 15% and then Renault with around 8%.

Source: Statistics Austria; Data status: 31.07.2021; only the top 25 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, July 2021

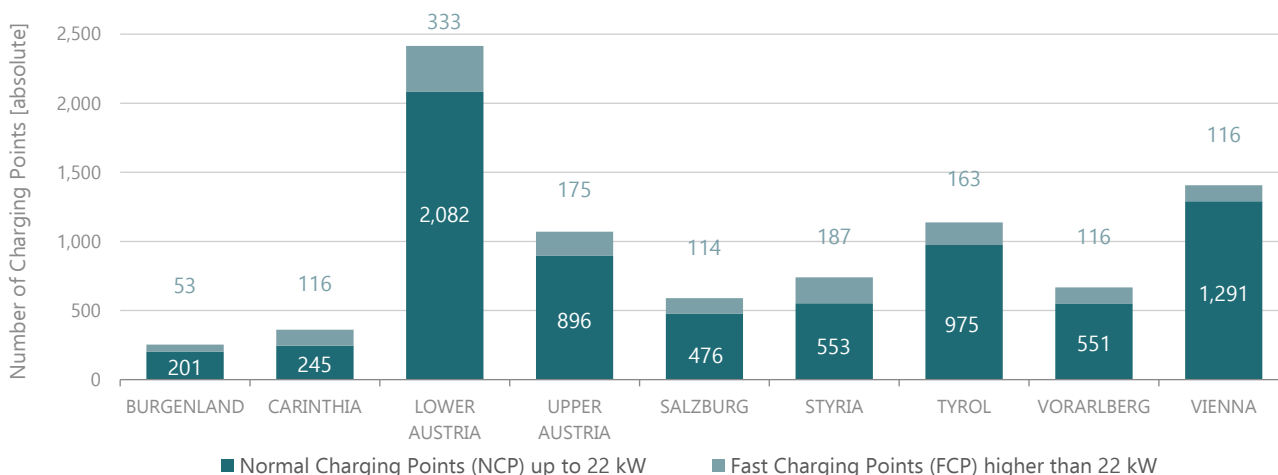
Population of e-vehicles of category M1 over time (for Austria)



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 July 2021. As of the end of July 2021, 85,678 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 1.67%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.07.2021; 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 7,270 normal charging points and 1,373 fast charging points after the second quarter of 2021. At this moment there are around eleven e-cars (BEV and PHEV) per NLP and around 60 per SLP in Austria. There are a total of 8,643 charging points in Austria, where there are around ten e-cars per charging point.

Source: ladestellen.at (E-Control); Data status: 30.06.2021; Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, July 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 July |
|---------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | 5,136,467 |
| 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 | 2,207,894 |
| 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 | 2,744,986 |
| Battery Electric Vehicle (BEV) | 1,389 | 2,070 | 3,386 | 5,032 | 9,073 | 14,618 | 20,831 | 29,523 | 44,507 | 61,274 |
| Compressed natural gas CNG (monovalent/bivalent) | 3,109 | 3,651 | 4,262 | 4,775 | 5,031 | 5,206 | 5,542 | 5,746 | 5,731 | 5,552 |
| Plug-In Hybrid Electric Vehicle (PHEV) | n/a. | 408 | 776 | 1,512 | 2,287 | 3,948 | 5,710 | 8,042 | 15,237 | 24,353 |
| Fuel Cell Electric Vehicle (FCEV) | n/a. | n/a. | 3 | 6 | 13 | 19 | 24 | 41 | 45 | 51 |
| 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 | 85,678 |
| Electro Vehicle – Change on Previous Year | 40.4% | 78.4% | 68.1% | 57.3% | 73.6% | 63.4% | 42.9% | 38.9% | 59.0% | 84.4% |
| Electric Vehicle Share in Population M1 | 0.03% | 0.05% | 0.09% | 0.14% | 0.24% | 0.38% | 0.53% | 0.75% | 1.17% | 1.67% |
| 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 | 19,563 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 4,565 | 4,835 | 5,116 | 5,324 | 5,907 | 7,057 | 8,614 | 10,533 | 12,565 | 14,848 |
| 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 | 4,513 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 12 | 13 | 20 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.07.2021; 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 July |
|---------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Passenger Vehicle Class M1 | 336,010 | 319,035 | 303,318 | 308,555 | 329,604 | 353,320 | 341,068 | 329,363 | 248,740 | 154,298 |
| Petrol incl. Flex-Fuel | 143,325 | 134,276 | 126,503 | 122,832 | 131,756 | 163,701 | 184,150 | 176,706 | 107,771 | 62,161 |
| Diesel | 189,622 | 180,901 | 172,381 | 179,822 | 188,820 | 175,458 | 140,111 | 126,311 | 90,909 | 39,123 |
| Battery Electric Vehicle (BEV) | 427 | 654 | 1,281 | 1,677 | 3,826 | 5,433 | 6,757 | 9,242 | 15,972 | 17,337 |
| Compressed natural gas CNG (monovalent/bivalent) | 460 | 628 | 788 | 703 | 484 | 435 | 641 | 578 | 407 | 67 |
| Plug-In Hybrid Electric Vehicle (PHEV) | 0 | 184 | 434 | 1,101 | 1,237 | 1,721 | 1,888 | 2,156 | 7,641 | 9,116 |
| Fuel Cell Electric Vehicle (FCEV) | 0 | 0 | 3 | 9 | 5 | 0 | 7 | 19 | 14 | 6 |
| New e-Vehicle Registrations M1 (BEV, PHEV, FCEV) | 427 | 838 | 1,718 | 2,787 | 5,068 | 7,154 | 8,652 | 11,417 | 23,627 | 26,459 |
| 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% | 17.15% |
| Further Electric Vehicles of the Classes L, M, N | 1,400 | 791 | 876 | 930 | 1,949 | 1,910 | 2,724 | 3,141 | 3,558 | 3,483 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 1,094 | 585 | 672 | 651 | 1,478 | 1,667 | 2,251 | 2,617 | 2,805 | 2,283 |
| 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 | 1,183 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 7 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.07.2021; The values of the current year are cumulated (Jan-Jul); Illustration: AustriaTech

Facts & Figures

Electromobility in Austria, July 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, July 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