

Electromobility in Austria

Facts & Figures
November 2021



Highlights in November 2021

In November, 4,639 electric vehicles were newly registered in Austria and the stock has risen to 102,505. Compared to other federal states, Upper Austria has a BEV share of 23.55% in new registrations. The Tesla Model Y is the most popular BEV model with 313 new registrations in November 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.



4,639
E-Vehicles
New Registrations



102,505
E-Vehicles
Population



Upper Austria
With 23.55%
Highest BEV-Share

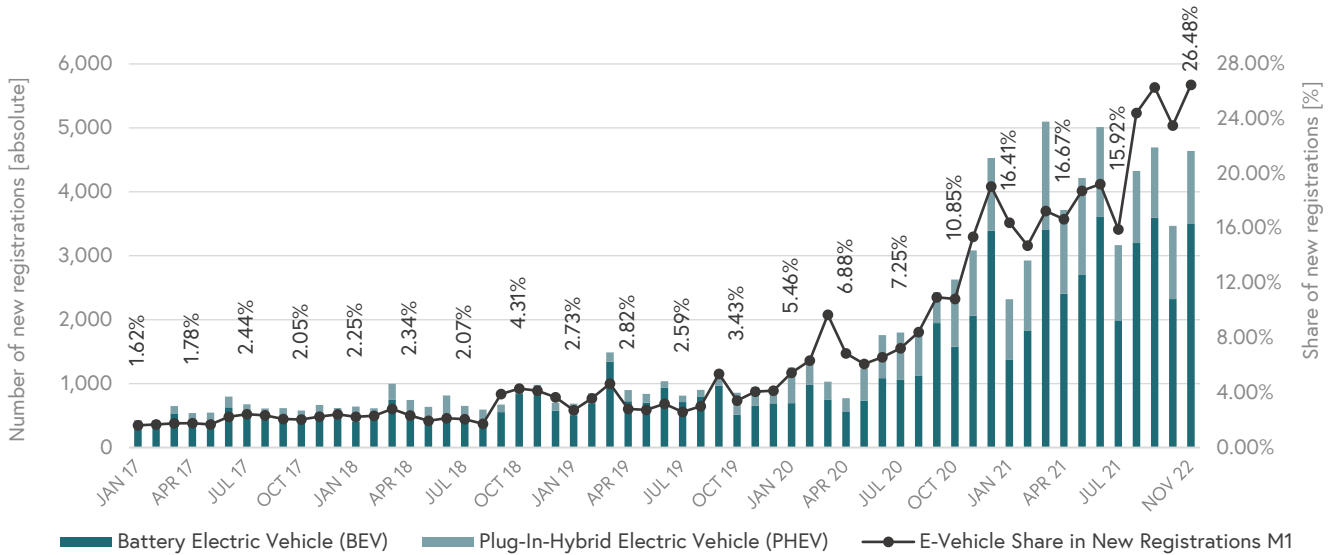


Tesla Model Y
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, November 2021

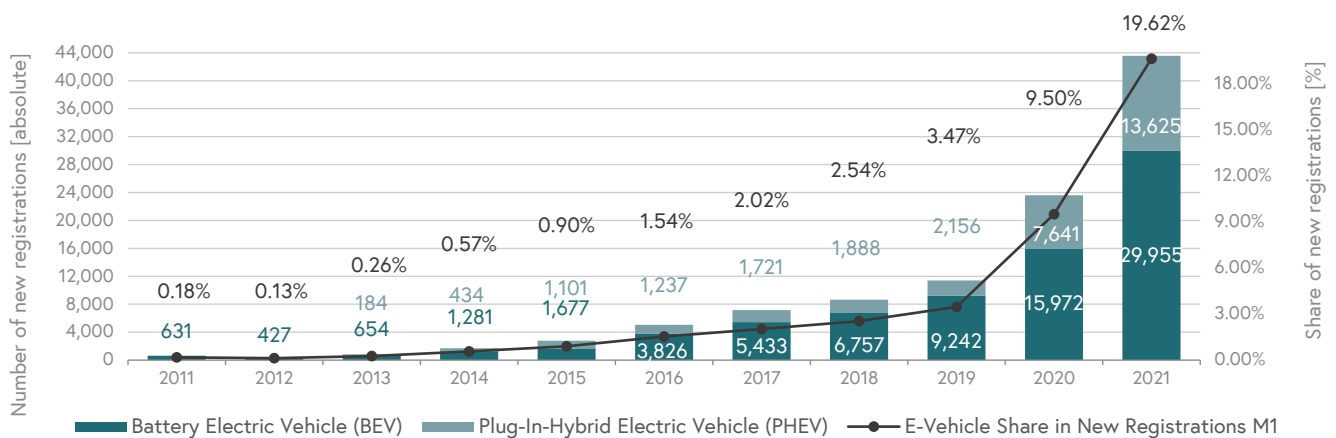
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since February 2017, there has been a steady upward trend in the newly registered e-vehicles. In November 2021, 3,498 BEV (+51% to the previous month), 1,141 PHEV (-0.3% to the previous month) and no FCEV (-100% to the previous month) were newly registered. The share of new registrations of e-vehicles in November 2021 was 26,48%.

Source: Statistics Austria; Data status: End of each month respectively 30.11.2021; 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)



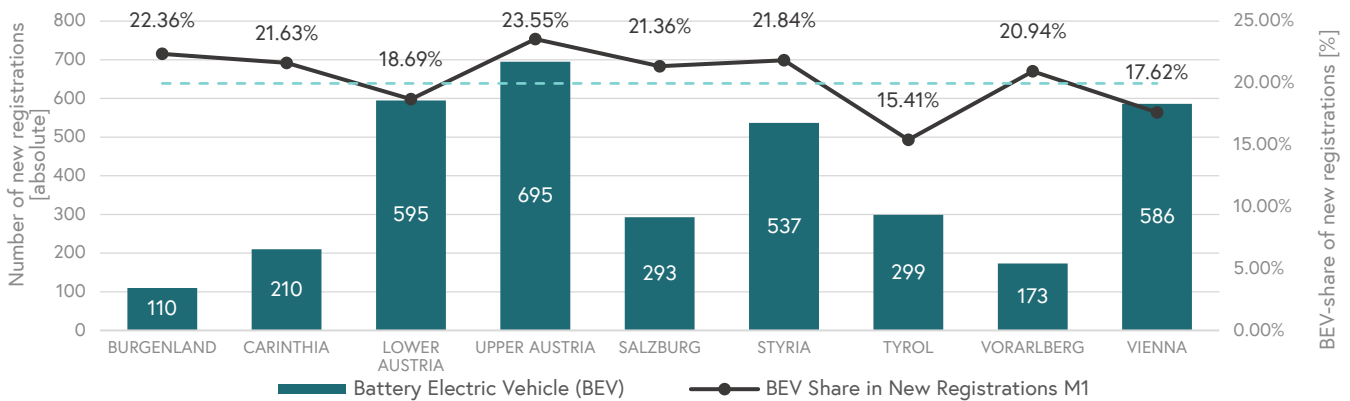
From January to November 2021, 29,955 BEV, 13,625 PHEV and ten FCEV were newly registered. Compared to November 2020, new registrations of BEV increased by 70%, PHEV new registrations increased by 11% and FCEV new registrations decreased by 100%. The e-vehicle share of category M1 registrations from January to November 2021 is 19.62%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.11.2021; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, November 2021

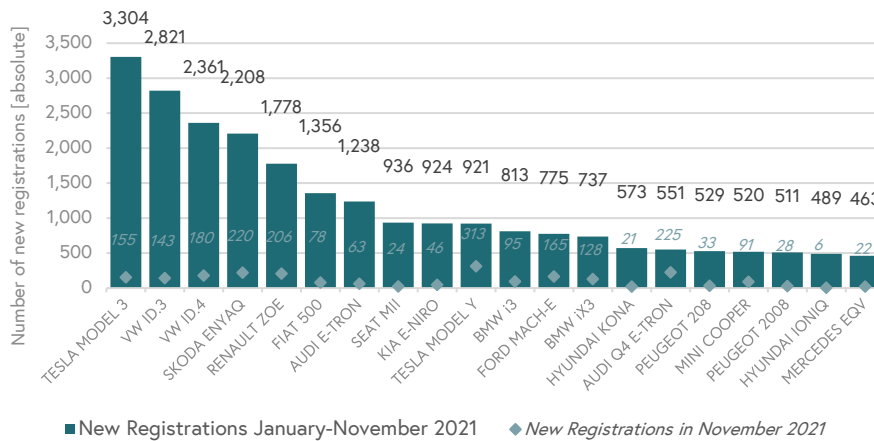
New registrations of BEV cars of category M1 by Austrian federal state (November 2021)



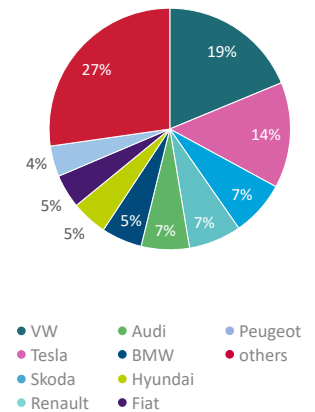
Compared with other Austrian federal states, Vorarlberg has the highest percentage of BEV in newly registered passenger cars at 23.55%, followed by Burgenland (22.36%) and Styria (21.84%). Austria has a BEV share of 19,97%. In the absolute number of newly registered BEV, Upper Austria is ahead with 695, followed by Lower Austria (595) and then Vienna (586).

Source: Statistics Austria; Data status: 30.11.2021; Illustration: AustriaTech

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



BEV market share 2021 (M1)



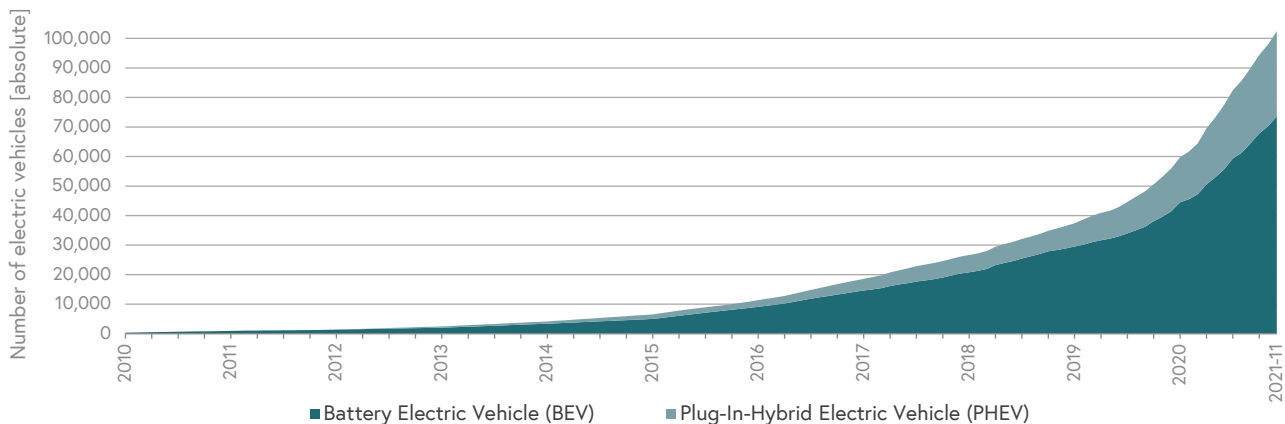
In the period from January to November 2021 the most popular model was the Tesla Model 3 with 3,304 units, followed by the VW ID.3 with 2,821 units and the VW ID.4 with 2,361 units. The most popular model in November was the Tesla Model Y with 313 units, followed by the Audi Q4 E-Tron with 225 units and the Skoda Enyaq with 220 units. In the market share of new registrations from November 2021, VW takes first place with around 19%, followed by Tesla with around 14% and then Skoda with around 7%.

Source: Statistics Austria; Data status: 30.11.2021; only the top 25 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, November 2021

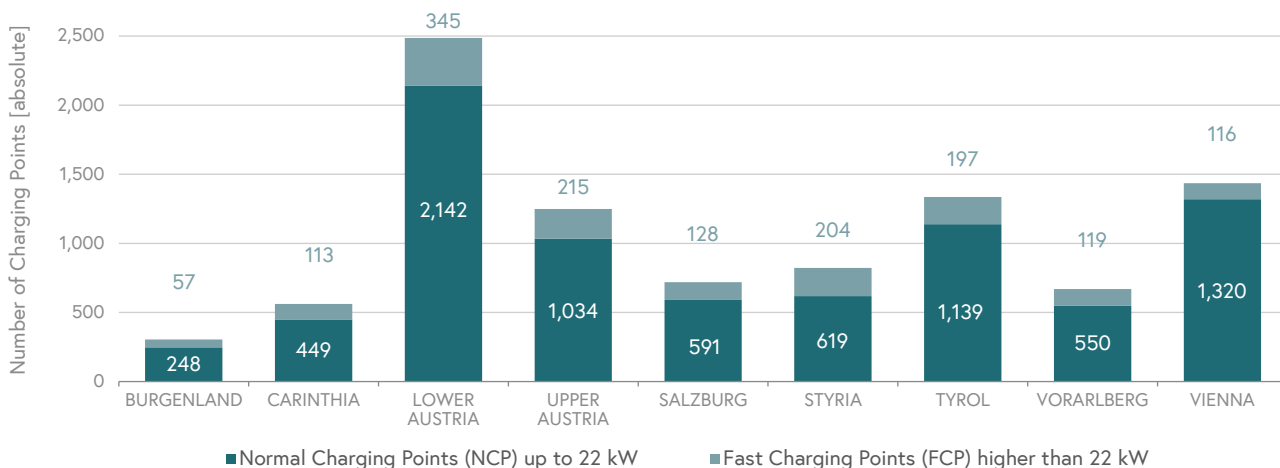
Population of e-vehicles of category M1 over time (for Austria)



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 November 2021. As of the end of November 2021, 102,505 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 2.00%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.11.2021; 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

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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 Nov |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | 5,132,775 |
| 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 | 2,198,579 |
| 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 | 2,721,671 |
| Battery Electric Vehicle (BEV) | 1,389 | 2,070 | 3,386 | 5,032 | 9,073 | 14,618 | 20,831 | 29,523 | 44,507 | 73,588 |
| Compressed natural gas CNG (monovalent/bivalent) | 3,109 | 3,651 | 4,262 | 4,775 | 5,031 | 5,206 | 5,542 | 5,746 | 5,731 | 5,468 |
| Plug-In Hybrid Electric Vehicle (PHEV) | n/a. | 408 | 776 | 1,512 | 2,287 | 3,948 | 5,710 | 8,042 | 15,237 | 28,862 |
| Fuel Cell Electric Vehicle (FCEV) | n/a. | n/a. | 3 | 6 | 13 | 19 | 24 | 41 | 45 | 55 |
| 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 | 102,505 |
| Electro Vehicle – Change on Previous Year | 40.4% | 78.4% | 68.1% | 57.3% | 73.6% | 63.4% | 42.9% | 38.9% | 59.0% | 82.9% |
| Electric Vehicle Share in Population M1 | 0.03% | 0.05% | 0.09% | 0.14% | 0.24% | 0.38% | 0.53% | 0.75% | 1.17% | 2.00% |
| 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 | 21,922 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 4,565 | 4,835 | 5,116 | 5,324 | 5,907 | 7,057 | 8,614 | 10,533 | 12,565 | 16,243 |
| 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 | 5,453 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 12 | 13 | 44 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.11.2021; 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 Nov |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| Passenger Vehicle Class M1 | 336,010 | 319,035 | 303,318 | 308,555 | 329,604 | 353,320 | 341,068 | 329,363 | 248,740 | 222,155 |
| Petrol incl. Flex-Fuel | 143,325 | 134,276 | 126,503 | 122,832 | 131,756 | 163,701 | 184,150 | 176,706 | 107,771 | 85,768 |
| Diesel | 189,622 | 180,901 | 172,381 | 179,822 | 188,820 | 175,458 | 140,111 | 126,311 | 90,909 | 53,847 |
| Battery Electric Vehicle (BEV) | 427 | 654 | 1,281 | 1,677 | 3,826 | 5,433 | 6,757 | 9,242 | 15,972 | 29,955 |
| Compressed natural gas CNG (monovalent/bivalent) | 460 | 628 | 788 | 703 | 484 | 435 | 641 | 578 | 407 | 83 |
| Plug-In Hybrid Electric Vehicle (PHEV) | 0 | 184 | 434 | 1,101 | 1,237 | 1,721 | 1,888 | 2,156 | 7,641 | 13,625 |
| 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 | 43,590 |
| 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% | 19.62% |
| Further Electric Vehicles of the Classes L, M, N | 1,400 | 791 | 876 | 930 | 1,949 | 1,910 | 2,724 | 3,141 | 3,558 | 5,842 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 1,094 | 585 | 672 | 651 | 1,478 | 1,667 | 2,251 | 2,617 | 2,805 | 3,678 |
| 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 | 2,123 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 31 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.11.2021; The values of the current year are cumulated (Jan-Nov); Illustration: AustriaTech

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Electromobility in Austria, November 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

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