

Electromobility in Austria

Facts & Figures
December 2021



Highlights in December 2021

In December, 4,416 electric vehicles were newly registered in Austria and the stock has risen to 106,457. Compared to other federal states, Upper Austria has a BEV share of 22.48% in new registrations. The Mini Cooper is the most popular BEV model with 233 new registrations in December 2021. In the comparison of brands VW leads with around 18% 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.



4,416
E-Vehicles
New Registrations



106,457
E-Vehicles
Population



Upper Austria
With 22.48%
Highest BEV-Share

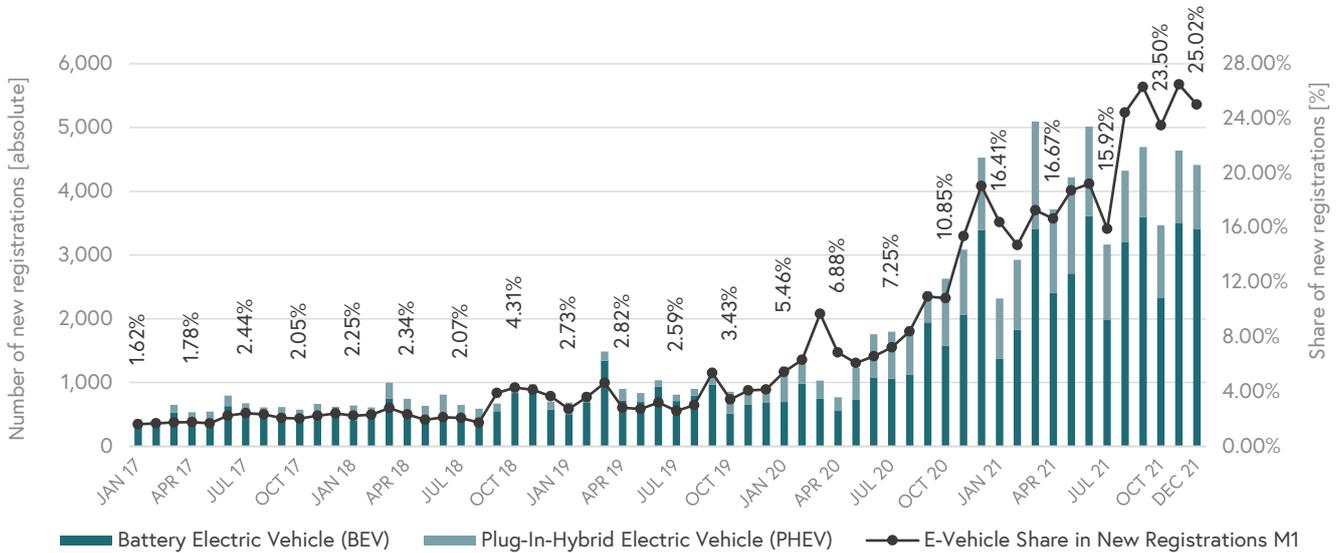


Mini Cooper
Mostly Registered
BEV-Model

Facts & Figures

Electromobility in Austria, December 2021

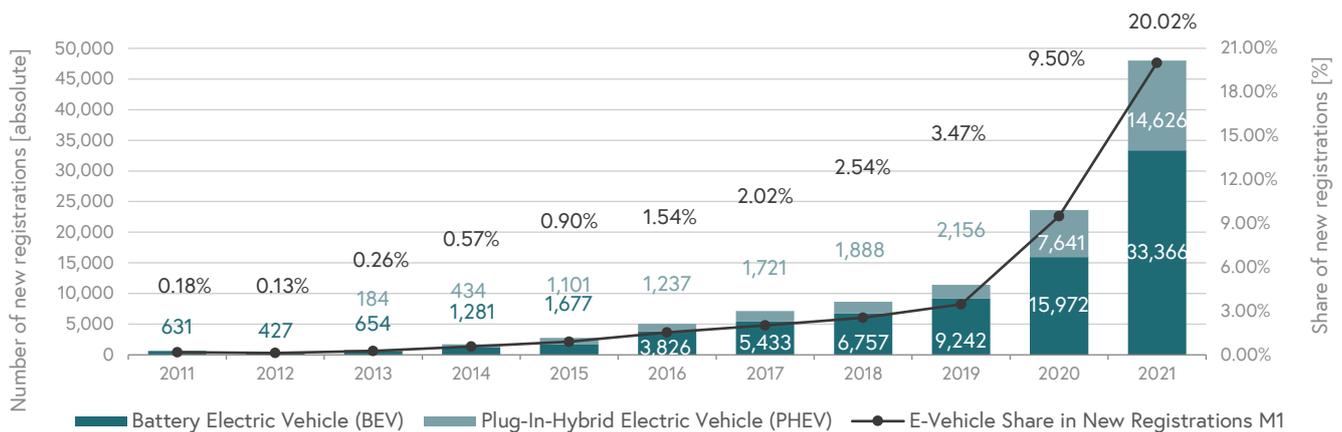
New registrations of e-vehicles of category M1 per month (for Austria)



In the comparative period since February 2017, there has been a steady upward trend in the newly registered e-vehicles. In December 2021, 3,411 BEV (-2% to the previous month), 1,001 PHEV (-12% to the previous month) and four FCEV (four units more in comparison to the previous month) were newly registered. The share of new registrations of e-vehicles in December 2021 was 25,02%.

Source: Statistics Austria; Data status: End of each month respectively 31.12.2021; 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)



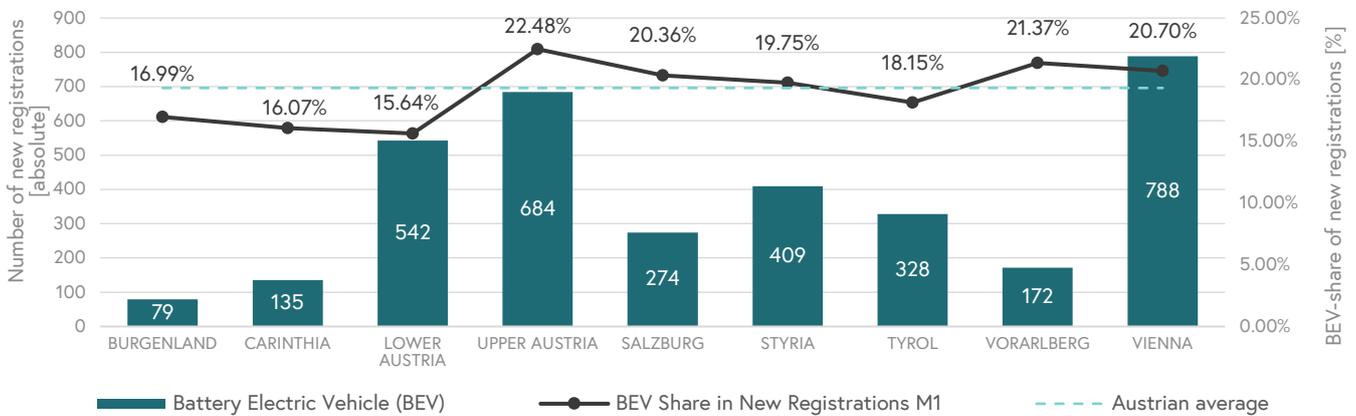
From January to December 2021, 33,366 BEV, 14,626 PHEV and 14 FCEV were newly registered. Compared to December 2020, new registrations of BEV increased by 1%, PHEV new registrations decreased by 12% and FCEV new registrations increased by 300%. The e-vehicle share of category M1 registrations from January to December 2021 is 20.02%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2021; Hydrogen vehicles are not included in this illustration for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, December 2021

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



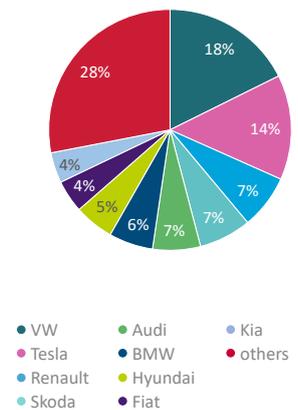
Compared with other Austrian federal states, Upper Austria has the highest percentage of BEV in newly registered passenger cars at 22.48%, followed by Vorarlberg (21.37%) and Vienna (20.70%). Austria has a BEV share of 19.33%. In the absolute number of newly registered BEV, Vienna is ahead with 788 BEV, followed by Upper Austria (684) and then Lower Austria (542).

Source: Statistics Austria; Data status: 31.12.2021; Illustration: AustriaTech

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



BEV market share 2021 (M1)



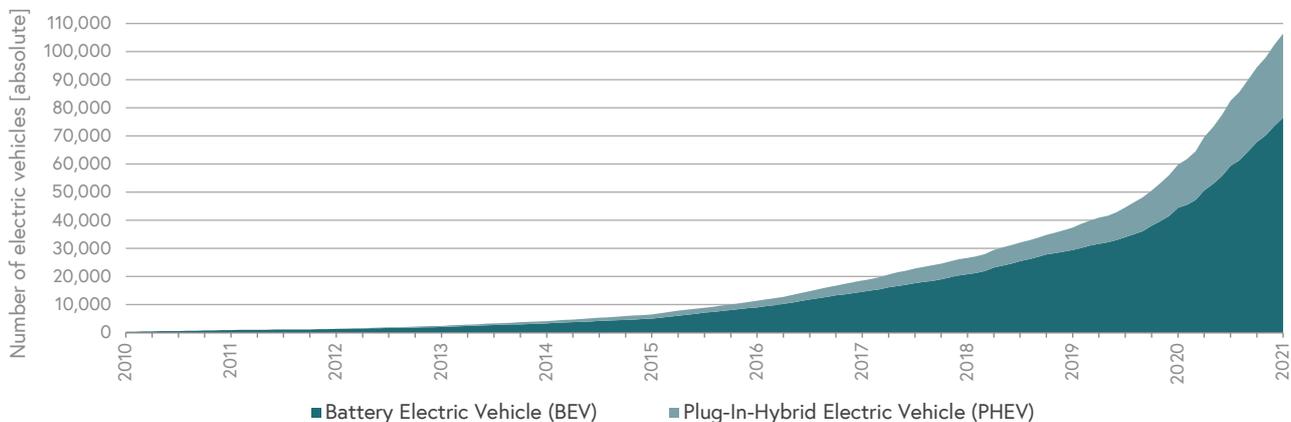
In the period from January to December 2021 the most popular model was the Tesla Model 3 with 3,534 units, followed by the VW ID.3 with 2,901 units and the VW ID.4 with 2,487 units. The most popular model in December was the Mini Cooper with 233 units, followed by the Hyundai Ioniq 5 with 231 units and the Tesla Model 3 with 230 units. In the market share of new registrations from December 2021, VW takes first place with around 18%, followed by Tesla with around 14% and then Renault with around 7%.

Source: Statistics Austria; Data status: 31.12.2021; only the top 20 are shown in the illustration on the left for illustrative purpose; Illustration: AustriaTech

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Electromobility in Austria, December 2021

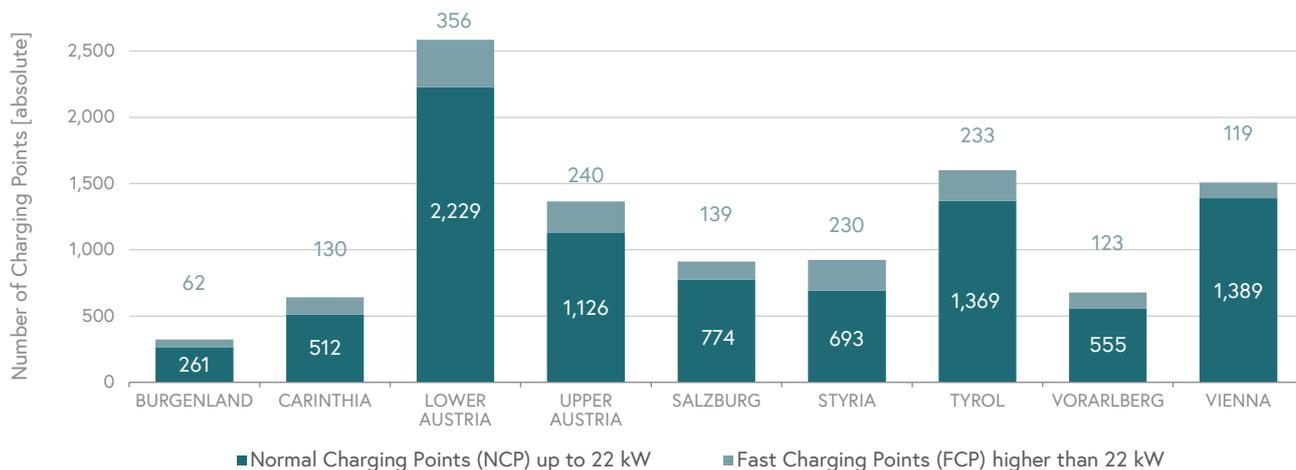
Population of e-vehicles of category M1 over time (for Austria)



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 December 2021. As of the end of December 2021, 106,457 electric vehicles were on the roads of Austria, corresponding to a share of the total population of 2.07%.

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2021; 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 8,908 normal charging points and 1,632 fast charging points after the fourth quarter of 2021. At this moment there are around twelve e-cars (BEV and PHEV) per NLP and around 65 per SLP in Austria. There are a total of 10,540 charging points in Austria, where there are around ten e-cars per charging point.

Source: ladestellen.at (E-Control); Data status: 22.01.2022; 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 Dec |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 | 5,133,836 |
| 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 | 2,197,006 |
| 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 | 2,717,475 |
| Battery Electric Vehicle (BEV) | 1,389 | 2,070 | 3,386 | 5,032 | 9,073 | 14,618 | 20,831 | 29,523 | 44,507 | 76,539 |
| Compressed natural gas CNG (monovalent/bivalent) | 3,109 | 3,651 | 4,262 | 4,775 | 5,031 | 5,206 | 5,542 | 5,746 | 5,731 | 5,455 |
| Plug-In Hybrid Electric Vehicle (PHEV) | n/a. | 408 | 776 | 1,512 | 2,287 | 3,948 | 5,710 | 8,042 | 15,237 | 29,863 |
| 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 | 106,457 |
| Electro Vehicle – Change on Previous Year | 40.4% | 78.4% | 68.1% | 57.3% | 73.6% | 63.4% | 42.9% | 38.9% | 59.0% | 76.8% |
| Electric Vehicle Share in Population M1 | 0.03% | 0.05% | 0.09% | 0.14% | 0.24% | 0.38% | 0.53% | 0.75% | 1.17% | 2.07% |
| 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 | 22,235 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 4,565 | 4,835 | 5,116 | 5,324 | 5,907 | 7,057 | 8,614 | 10,533 | 12,565 | 16,330 |
| Busses Class M2 and M3 | 126 | 139 | 131 | 138 | 149 | 143 | 154 | 161 | 172 | 183 |
| Duty Vehicle Class N1 (< 3.5 ton) | 428 | 619 | 819 | 1,069 | 1,467 | 1,711 | 2,141 | 2,605 | 3,330 | 5,671 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 12 | 13 | 51 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2021; 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 Dec |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| Passenger Vehicle Class M1 | 336,010 | 319,035 | 303,318 | 308,555 | 329,604 | 353,320 | 341,068 | 329,363 | 248,740 | 239,803 |
| Petrol incl. Flex-Fuel | 143,325 | 134,276 | 126,503 | 122,832 | 131,756 | 163,701 | 184,150 | 176,706 | 107,771 | 91,478 |
| Diesel | 189,622 | 180,901 | 172,381 | 179,822 | 188,820 | 175,458 | 140,111 | 126,311 | 90,909 | 58,263 |
| Battery Electric Vehicle (BEV) | 427 | 654 | 1,281 | 1,677 | 3,826 | 5,433 | 6,757 | 9,242 | 15,972 | 33,366 |
| Compressed natural gas CNG (monovalent/bivalent) | 460 | 628 | 788 | 703 | 484 | 435 | 641 | 578 | 407 | 85 |
| Plug-In Hybrid Electric Vehicle (PHEV) | 0 | 184 | 434 | 1,101 | 1,237 | 1,721 | 1,888 | 2,156 | 7,641 | 14,626 |
| Fuel Cell Electric Vehicle (FCEV) | 0 | 0 | 3 | 9 | 5 | 0 | 7 | 19 | 14 | 14 |
| New e-Vehicle Registrations M1 (BEV, PHEV, FCEV) | 427 | 838 | 1,718 | 2,787 | 5,068 | 7,154 | 8,652 | 11,417 | 23,627 | 48,006 |
| 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% | 20.02% |
| Further Electric Vehicles of the Classes L, M, N | 1,400 | 791 | 876 | 930 | 1,949 | 1,910 | 2,724 | 3,141 | 3,558 | 6,155 |
| Motorbikes/Tricycles/Quadracycles (Class L) | 1,094 | 585 | 672 | 651 | 1,478 | 1,667 | 2,251 | 2,617 | 2,805 | 3,765 |
| Busses Class M2 and M3 | 14 | 15 | 1 | 12 | 22 | 6 | 17 | 22 | 14 | 11 |
| Duty Vehicle Class N1 (< 3.5 ton) | 292 | 191 | 203 | 267 | 449 | 237 | 446 | 500 | 739 | 2,341 |
| Duty Vehicle Class N2, N3 (> 3.5 ton) | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 38 |

Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.12.2021; The values of the current year are cumulated (Jan-Dec); Illustration: AustriaTech

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Electromobility in Austria, December 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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