

Electromobility in Austria

Facts & Figures | September 2022



4,554
E-vehicles (BEV, M1)
new registrations



110
E-vehicles (BEV, N1)
new registrations



2
E-vehicles (BEV, N2, N3,
M2, M3) new registrations



100,829
E-vehicles (BEV, M1)
Population

2030: 100% E-vehicles (BEV) in new registrations

22%
share of E-vehicles (BEV, M1) in new registrations



➤ Trend in September

In September 4,554 electric cars (BEV, M1) and 110 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The number of E-vehicles (BEV) has increased to 100,829. In the comparison of federal states, Vienna leads with a BEV share of new registrations of 24.69%.

➤ Overview and comments in September 2022

September entailed a number of milestones for electromobility - and many more exciting projects are in progress. The National Competence Center For Electromobility monitors the relevant facts and figures and compiles a monthly assessment of the developments.

New incentives and more ambitious targets

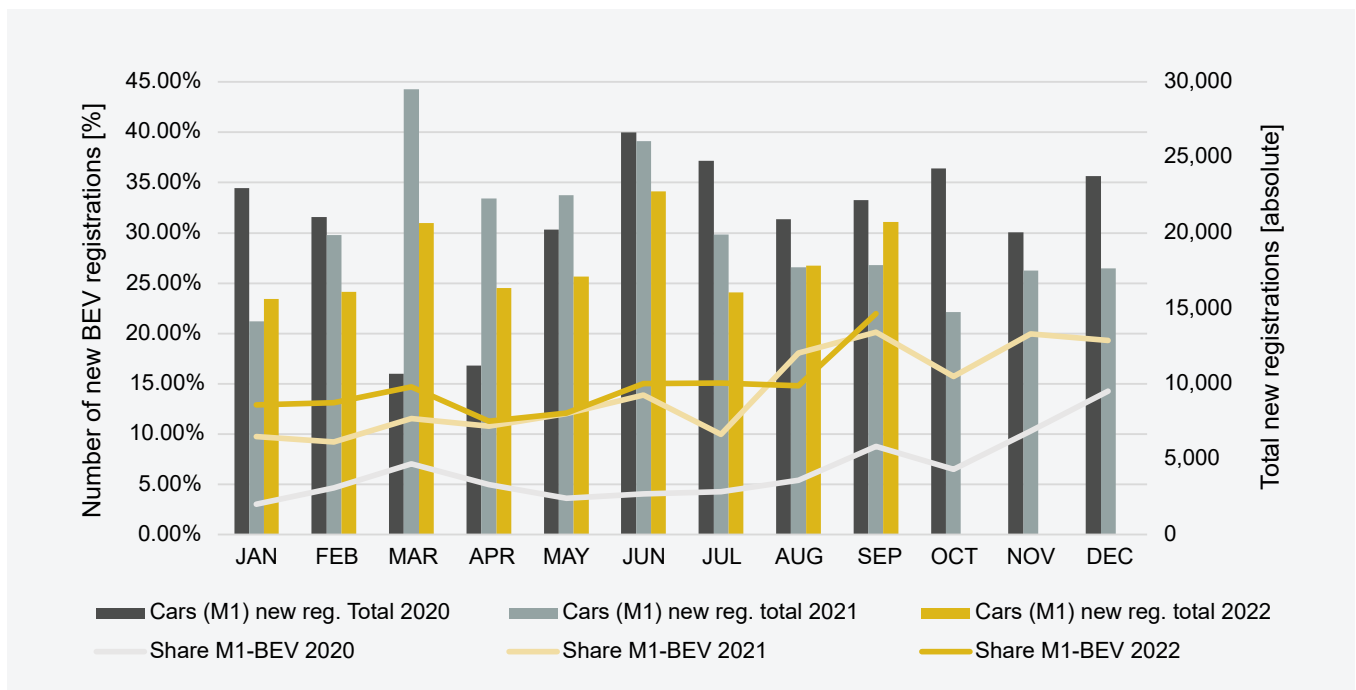
An important step towards the integration of electric mobility in company fleets will be taken with the abolition of the benefit in kind for external charging for company cars in Austria. As part of a government relief package, from 1st January 2023

onwards, charging of zero emission, employer-owned vehicles will be completely tax-free for employees, regardless of the charging location. In addition, the use of e-carsharing for business trips is supported and partly tax-exempt.

The manufacturers are also tightening their goals - and sending clear signals. For example, the truck producer Scania will completely forgo combustion engines from 2040 and switch to commercial vehicles with battery-electric drive - with the interim goal that by the end of the decade every second truck sold will already be electrically powered. Another exciting development in Northern Europe: Volvo Cars now sells only plug-in hybrids (PHEVs) and battery electric vehicles (BEVs) in both Denmark and Norway.

Source: Kleine Zeitung, Electrive.net, Energie:bau

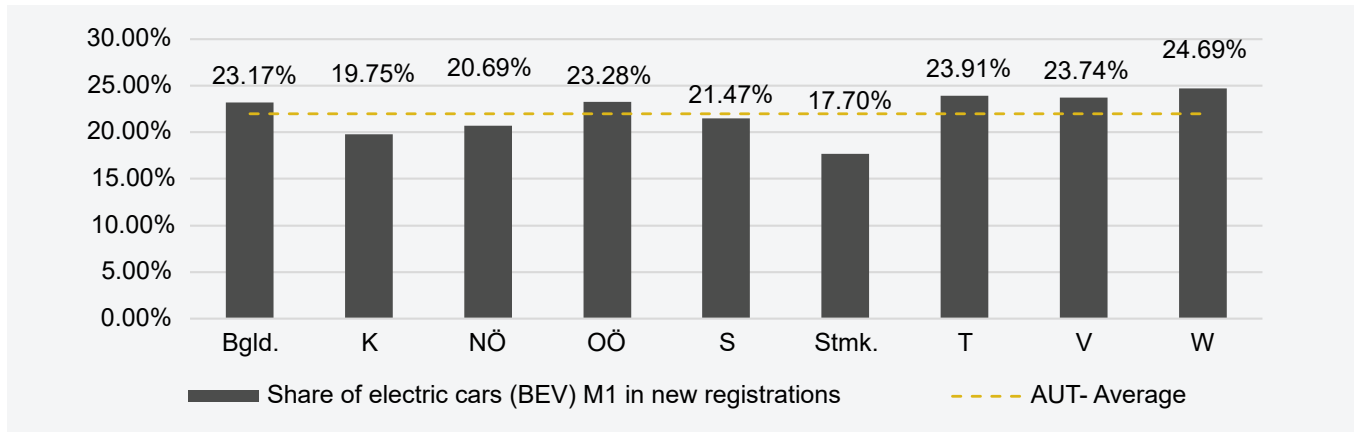
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2021



Source: Statistics Austria; Data status: End of each month respectively 30.09.2022; Illustration: AustriaTech

New registrations in September 2022

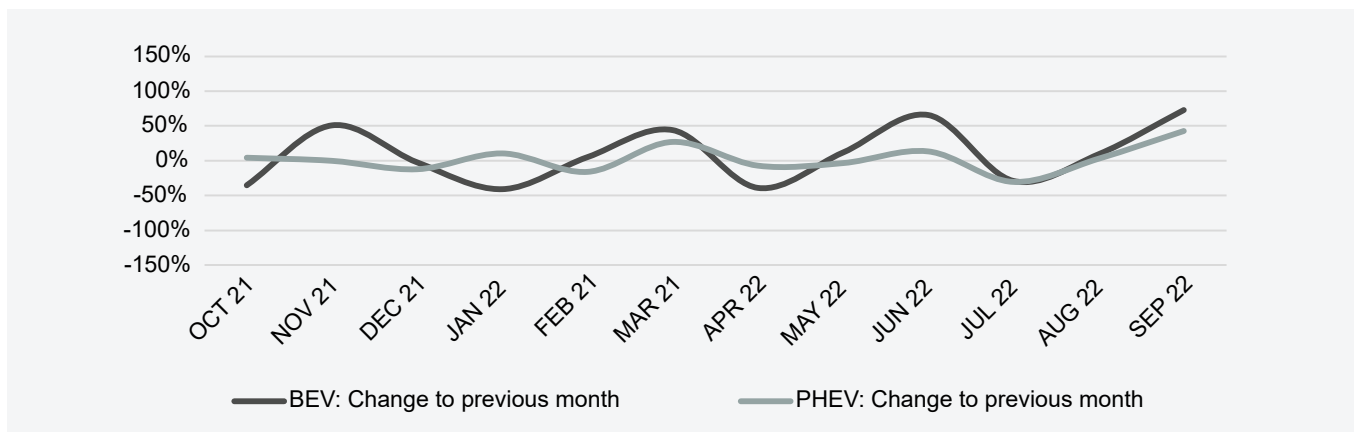
➤ Top 3 in e-vehicles (BEV) M1: W 25% T 24% V 24%



Source: Statistik Austria; Data status: End of each month, Illustration: AustriaTech

Trend in new registrations, monthly comparison

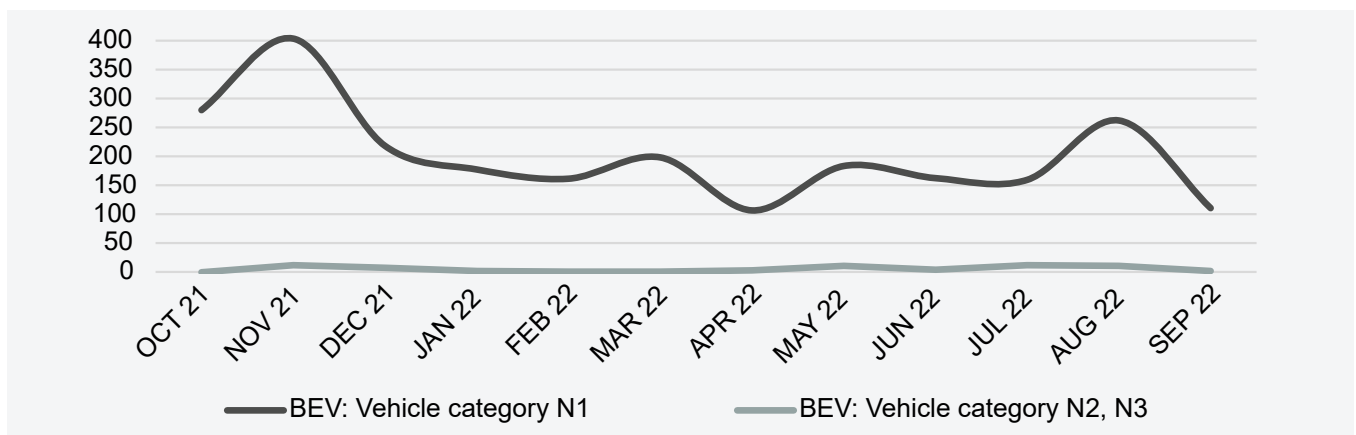
➤ BEV: +73% to previous month / PHEV: +42% to PM



Source: Statistik Austria; Data status: End of each month, Illustration: AustriaTech

New registrations by categories of commercial vehicles

➤ E-LCV (BEV) N1: 110 / E-HGV (BEV) N2, N3: 2



Source: Statistik Austria; Data status: End of each month, Illustration: AustriaTech

New registrations per year by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 Sep
Passenger Vehicle Class M1	319,035	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	163,209
Petrol incl. Flex-Fuel	134,276	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	62,071
Diesel	180,901	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	37,044
Battery Electric Vehicle (BEV)	654	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	24,104
Compressed natural gas CNG (monovalent/bivalent)	628	788	703	484	435	641	578	407	85	51
Plug-In Hybrid Electric Vehicle (PHEV)	184	434	1,101	1,237	1,721	1,888	2,156	7,641	14,626	9,439
Fuel Cell Electric Vehicle (FCEV)	0	3	9	5	0	7	19	14	14	14
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	838	1,718	2,787	5,068	7,154	8,652	11,417	23,627	48,006	33,557
Electric Vehicle Share of New Registrations M1	0.26%	0.57%	0.90%	1.54%	2.02%	2.54%	3.47%	9.50%	20.02%	20.56%
Further Electric Vehicles of the Classes L, M, N	791	876	930	1,949	1,910	2,724	3,141	3,558	6,155	5,407
Motorbikes/Tricycles/Quadracycles (Class L)	585	672	651	1,478	1,667	2,251	2,617	2,805	3,765	3,823
Busses Class M2 and M3	15	1	12	22	6	17	22	14	11	20
Duty Vehicle Class N1 (< 3.5 ton)	191	203	267	449	237	446	500	739	2,341	1,518
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	0	10	2	0	38	46

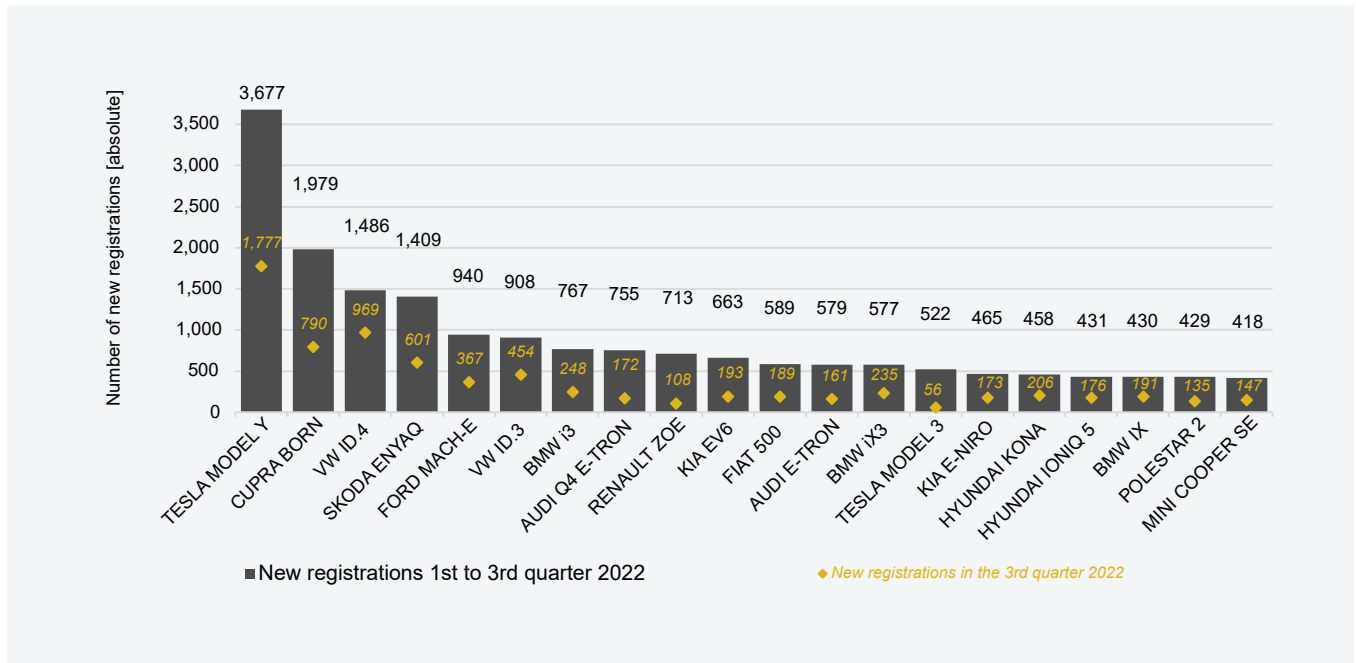
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.09.2022; Illustration: AustriaTech

Vehicle population per year by vehicle type, fuel type and energy source

Vehicle types, fuel types or energy source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 Sep
Passenger Vehicle Class M1	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	5,151,809
Petrol incl. Flex-Fuel	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	2,198,664
Diesel	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	2,669,810
Battery Electric Vehicle (BEV)	2,070	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	100,829
Compressed natural gas CNG (monovalent/bivalent)	3,651	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,266
Plug-In Hybrid Electric Vehicle (PHEV)	408	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	38,460
Fuel Cell Electric Vehicle (FCEV)	0	3	6	13	19	24	41	45	55	62
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	2,478	4,165	6,550	11,373	18,585	26,565	37,606	59,789	105,615	139,351
Electric Vehicle – Change on Previous Year	78.40%	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	47.53%
Electric Vehicle Share in Population M1	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.70%
Further Electric Vehicles of the Classes L, M, N	5,594	6,067	6,532	7,524	8,912	10,920	13,311	16,080	21,561	26,968
Motorbikes/Tricycles/Quadracycles (Class L)	4,835	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	19,539
Busses Class M2 and M3	139	131	138	149	143	154	161	172	174	194
Duty Vehicle Class N1 (< 3.5 ton)	619	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,145
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	1	11	12	13	44	90

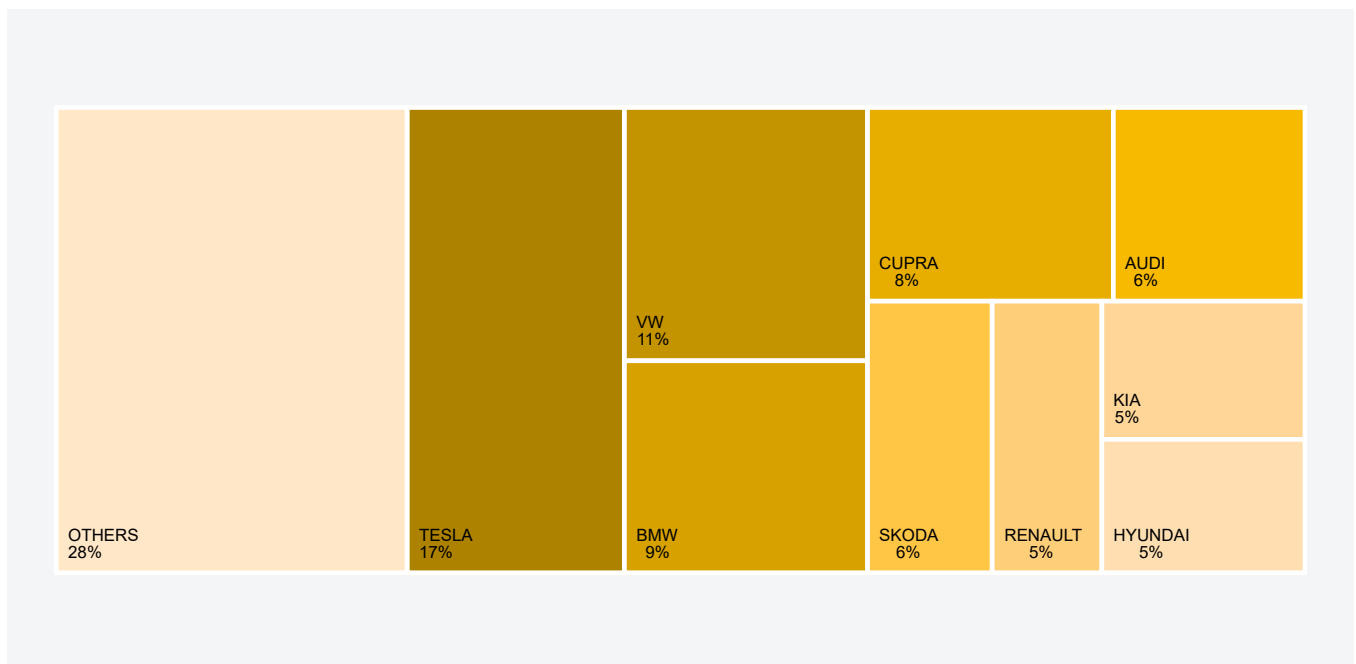
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.09.2022; the PHEV population were calculated on the basis of the old PHEV population (31.12.2021) and the cumulated new registrations of PHEV of the current year; Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by model, 1st to 3rd quarter 2022



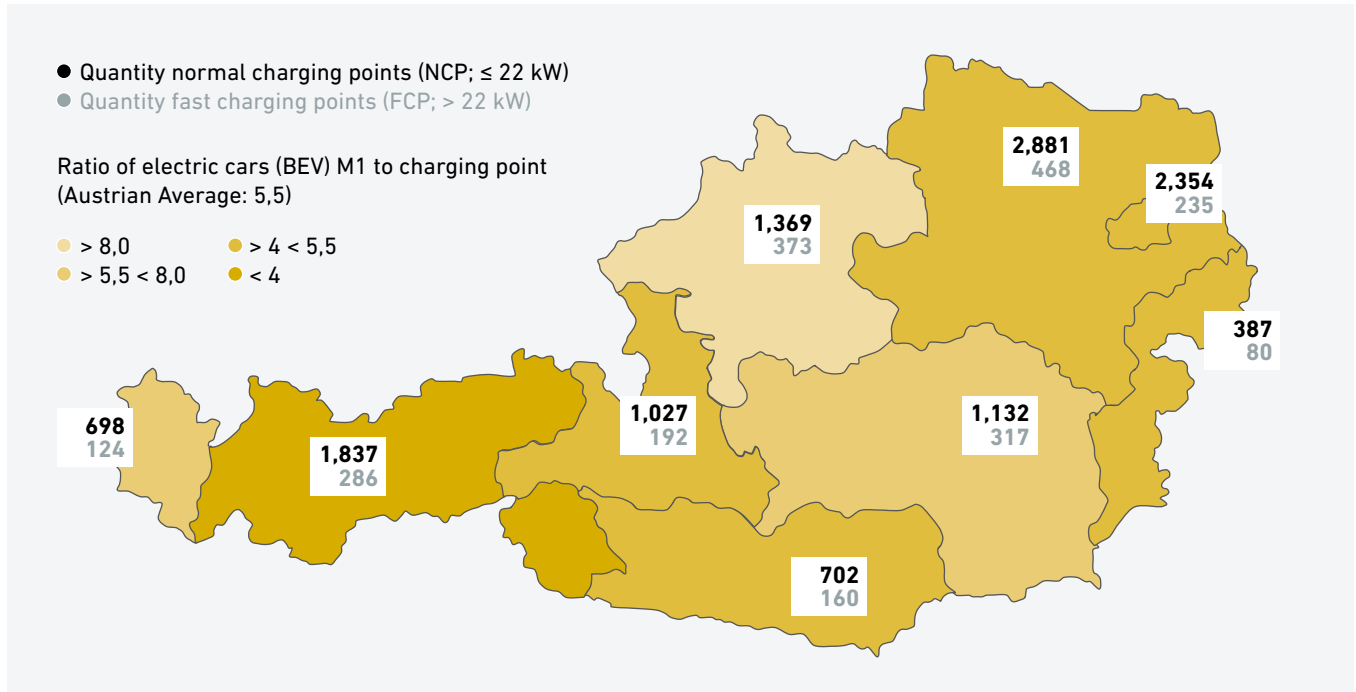
Source: Statistik Austria; Data status: end of each month, Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by brand, 1st to 3rd quarter 2022



Source: Statistik Austria; Data status: end of each month, Illustration: AustriaTech

Publicly accessible charging points per federal state, 3rd quarter 2022

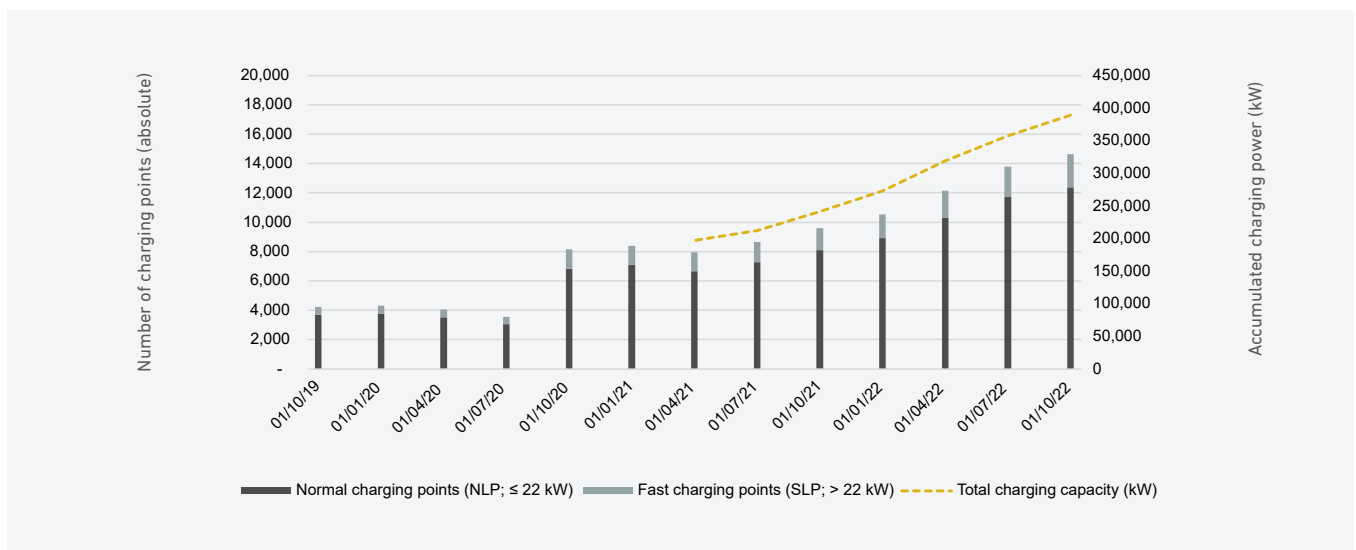


Source: Statistik Austria; Data status: 01.10.2022, Illustration: AustriaTech

Note: The figure shows publicly available normal and fast charging points according to Directive 2014/94/EU per federal state. As of 1st October 2022, there were a total of 12,387 normal charging points and 2,335 fast charging points throughout Austria.

“Österreichs Leitstelle für Elektromobilität” is the central hub and competence center for national electromobility agendas. It supports the extension of charging infrastructure in public spaces and particularly enforces fast charging points. These can supply more vehicles, which means that the ratio alone is not sufficient to assess the quality of supply in a region. Unlike public charging infrastructure, slow charging with up to 5.5 kW is sufficient in most cases for home charging.

Publicly accessible charging points and total charging capacity, 2019-2022



Source: Statistik Austria; Data status: end of the respective quarter, Illustration: AustriaTech

Imprint



About

The monthly publication “Electromobility in Austria Facts & Figures” is created by AustriaTech in its role as Österreichs Leitstelle für Elektromobilität and offers a compact overview of recent developments in electromobility. Österreichs Leitstelle für Elektromobilität is the national competence center for Austria’s agendas in e-mobility.

You can find the current issue of the publication series “Electromobility in Austria Facts & Figures” at www.austriatech.at/downloads as well as at www.austriatech.at/de/zahlen-daten-fakten-archiv

Contact: leitstelle-elektromobilitaet@austriatech.at

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Raimundgasse 1/6, 1020 Vienna, Austria
FN 92873d, Handelsgericht Wien
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Status: September 2022
Tel: +43 1 26 4333 444
office@austriatech.at, www.austriatech.at

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Glossary

BEV: Battery Electric Vehicle
FCEV: Fuel Cell Electric Vehicle
PHEV: Plug-In-Hybrid Electric Vehicle
BEV + PHEV + FCEV: E-Vehicles