

Electromobility in Austria

Facts & Figures | October 2022



2,660
E-vehicles (BEV, M1)
new registrations



193
E-vehicles (BEV, N1)
new registrations



4
E-vehicles (BEV, N2, N3,
M2, M3) new registrations



103,265
E-vehicles (BEV, M1)
Population

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

17%
share of E-vehicles (BEV, M1) in new registrations



➤ Trend in October

In October 2,660 electric cars (BEV, M1) and 193 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The number of E-vehicles (BEV) has increased to 103,265. In the comparison of federal states, Vorarlberg leads with a BEV share of new registrations of 21.86%.

➤ Overview and comments in October 2022

October was marked by essential regulations that point the way to an electric and efficient transport sector. The National Competence Center For Electromobility monitors the figures and data as well as the most relevant developments on a monthly basis.

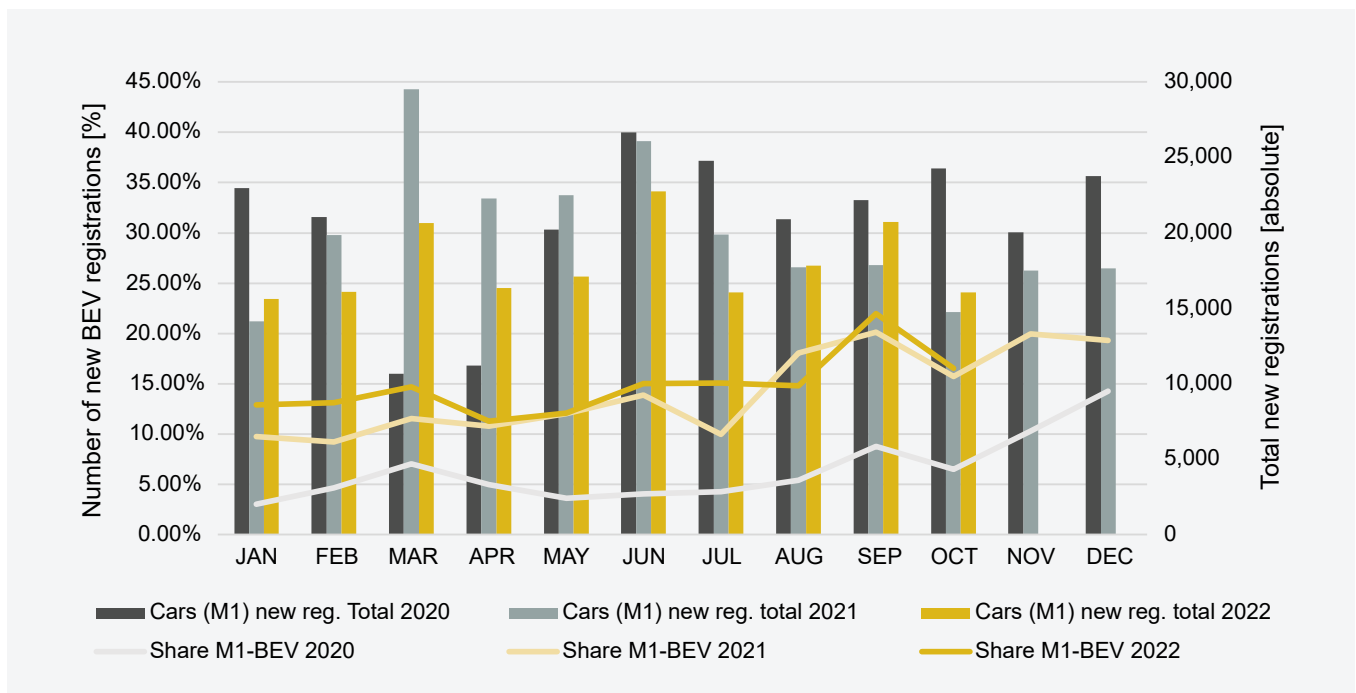
Electrification of passenger cars and commercial vehicles
By the end of October, the European Parliament and the Council reached a crucial agreement for the mobility transition: As one of the target paths of the EU's "Fit for 55 package", the end of new registrations of passenger cars and light commercial

vehicles equipped with combustion engines was agreed upon. From 2035 onwards, this means that only zero-emission new vehicles of these light vehicle classes will be allowed on European roads, a step that will be inevitable for the emission targets in the transport sector.

The National Competence Center For Electromobility supports the national goal of achieving 100% electric new registrations in these vehicle classes as early as 2030 with its instruments and measures. However, encouraging developments can also be observed in buses and heavier commercial vehicles: Wiener Linien (Vienna's municipal transport operator), for example, will procure 60 battery electric and 10 hydrogen buses in the coming years, including their own innovative charging and refuelling infrastructure.

Source: European Commission, derStandard.at

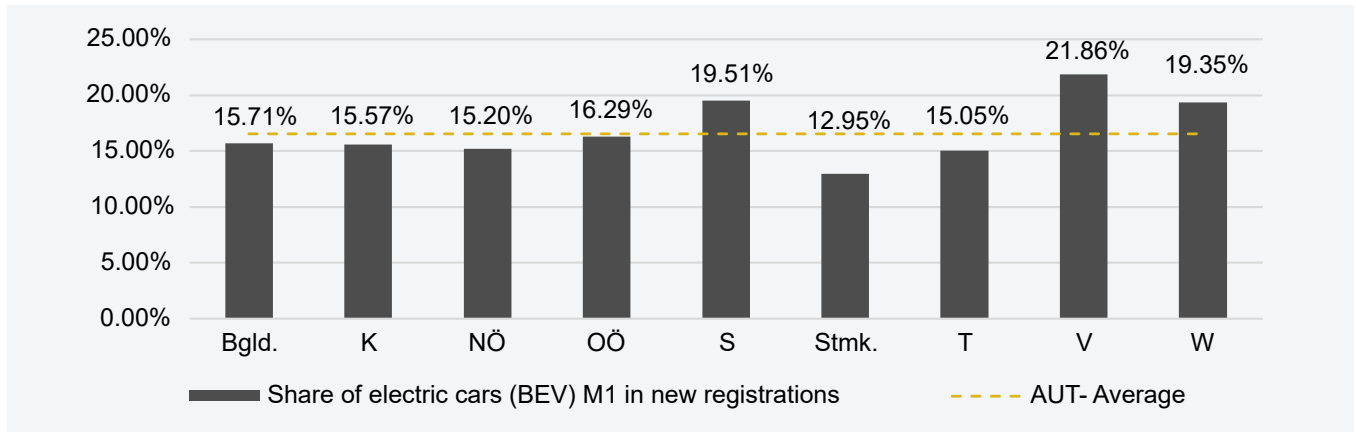
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2021



Source: Statistics Austria; Data status: End of each month respectively 31.10.2022; Illustration: AustriaTech

New registrations in October 2022

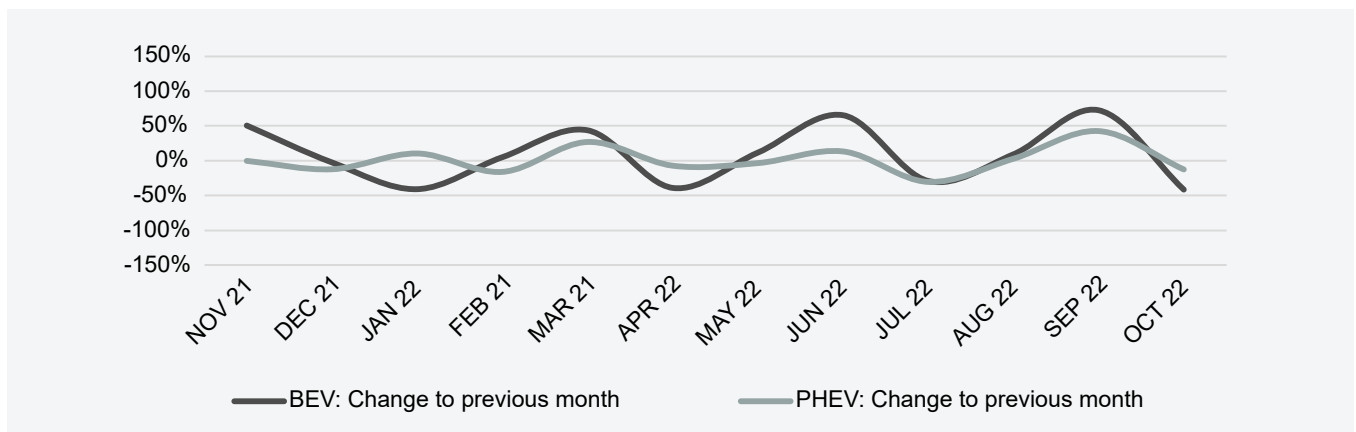
➤ Top 3 in e-vehicles (BEV) M1: V 22% S 20% W 19%



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

Trend in new registrations, monthly comparison

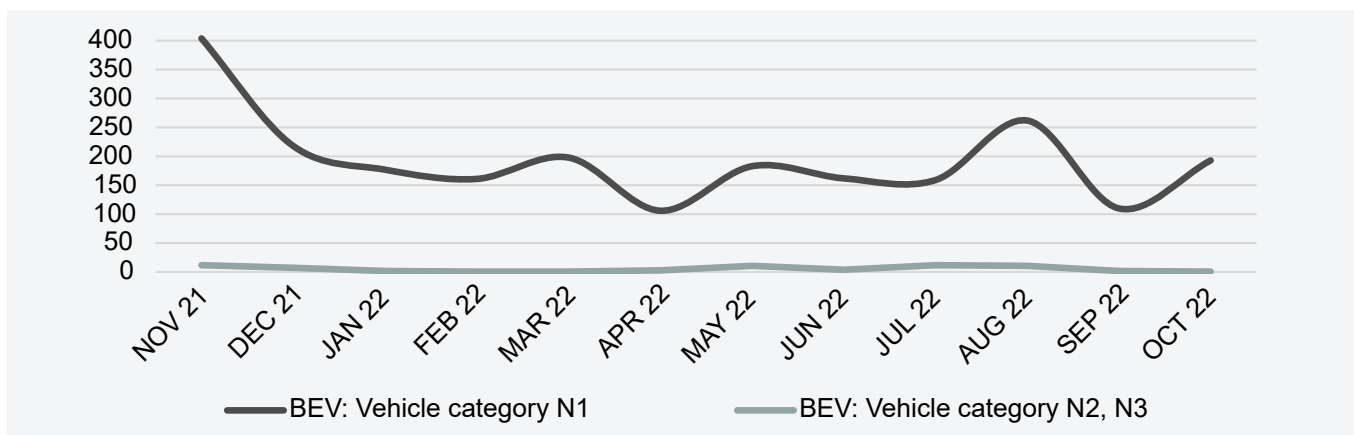
➤ BEV: -42% to previous month / PHEV: -13% to PM



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

New registrations by categories of commercial vehicles

➤ E-LCV (BEV) N1: 193 / E-HGV (BEV) N2, N3: 1



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 Oct
Passenger Vehicle Class M1	319,035	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	179,270
Petrol incl. Flex-Fuel	134,276	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	67,568
Diesel	180,901	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	40,756
Battery Electric Vehicle (BEV)	654	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	26,764
Compressed natural gas CNG (monovalent/bivalent)	628	788	703	484	435	641	578	407	85	53
Plug-In Hybrid Electric Vehicle (PHEV)	184	434	1,101	1,237	1,721	1,888	2,156	7,641	14,626	10,501
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	37,279
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%	20.79%
Further Electric Vehicles of the Classes L, M, N	791	876	930	1,949	1,910	2,724	3,141	3,558	6,155	5,856
Motorbikes/Tricycles/Quadracycles (Class L)	585	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,075
Busses Class M2 and M3	15	1	12	22	6	17	22	14	11	23
Duty Vehicle Class N1 (< 3.5 ton)	191	203	267	449	237	446	500	739	2,341	1,711
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	0	10	2	0	38	47

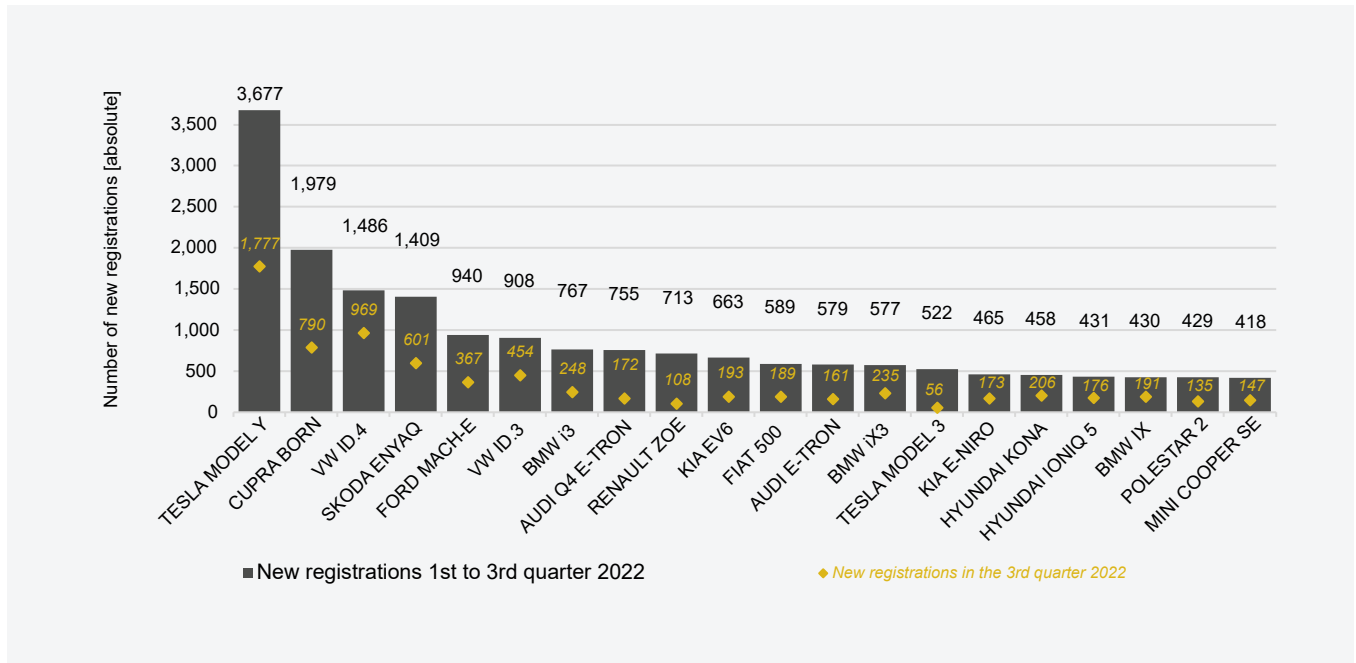
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2022; Illustration: AustriaTech

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 Oct
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	5,148,682
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	2,196,740
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	2,662,267
Battery Electric Vehicle (BEV)	2,070	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	103,265
Compressed natural gas CNG (monovalent/bivalent)	3,651	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,249
Plug-In Hybrid Electric Vehicle (PHEV)	408	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	39,522
Fuel Cell Electric Vehicle (FCEV)	0	3	6	13	19	24	41	45	55	64
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	142,851
Electric Vehicle – Change on Previous Year	78.40%	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	45.82%
Electric Vehicle Share in Population M1	0.05%	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.77%
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	27,417
Motorbikes/Tricycles/Quadracycles (Class L)	4,835	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	19,791
Busses Class M2 and M3	139	131	138	149	143	154	161	172	174	197
Duty Vehicle Class N1 (< 3.5 ton)	619	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,338
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	1	11	12	13	44	91

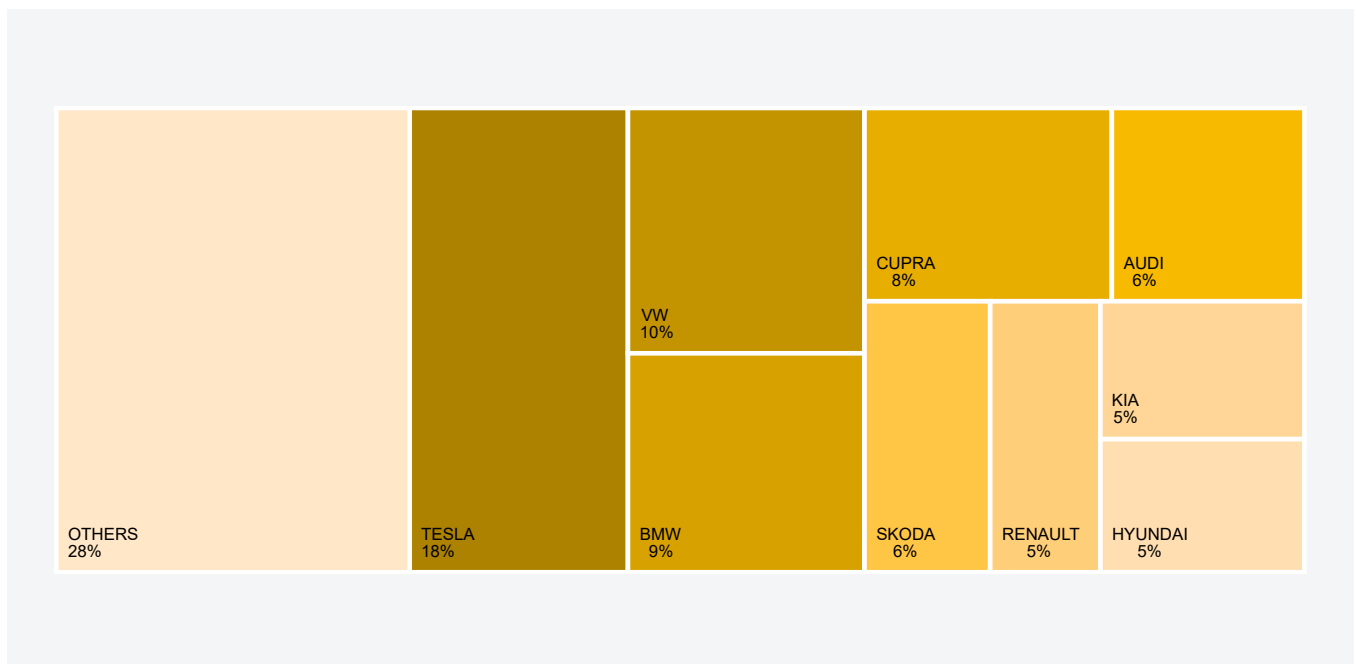
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.10.2022; the PHEV population were calculated on the basis of the old PHEV population (31.12.2021) and the cumulated new registrations of PHEV of the current year; Illustration: AustriaTech

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



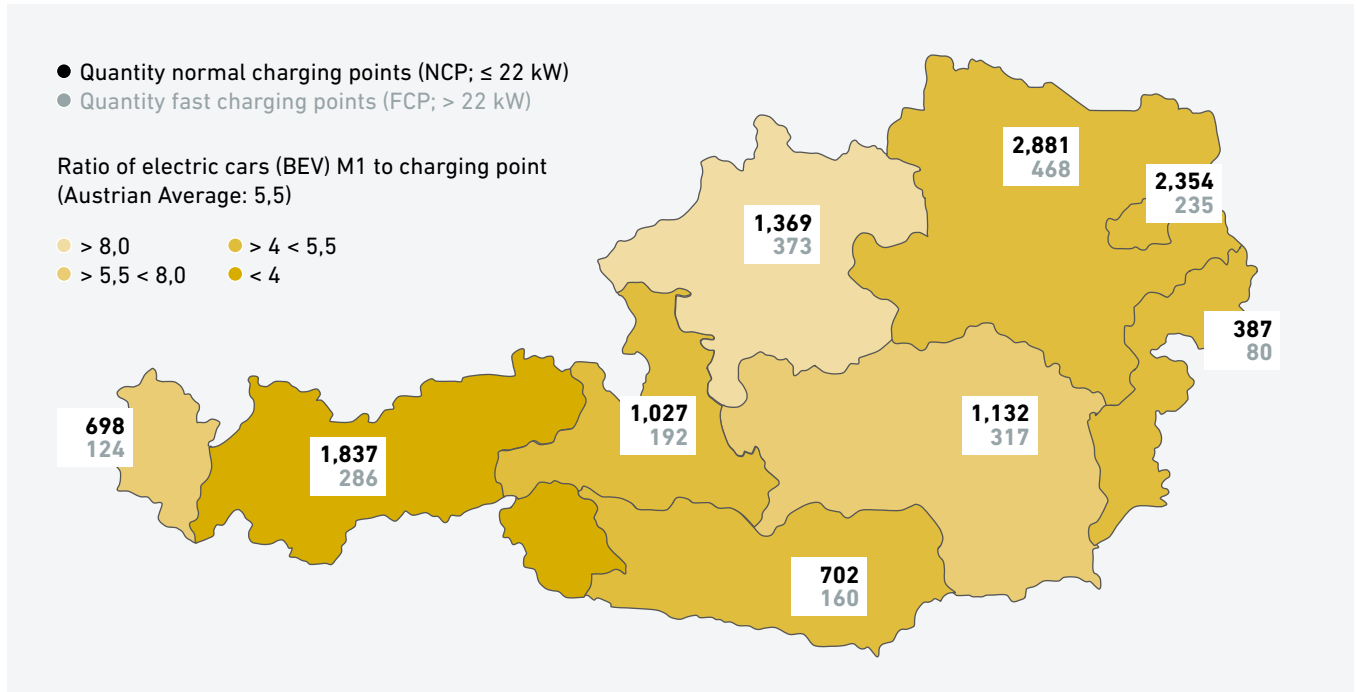
Source: Statistik Austria; Data status: end of each month, Illustration: AustriaTech

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

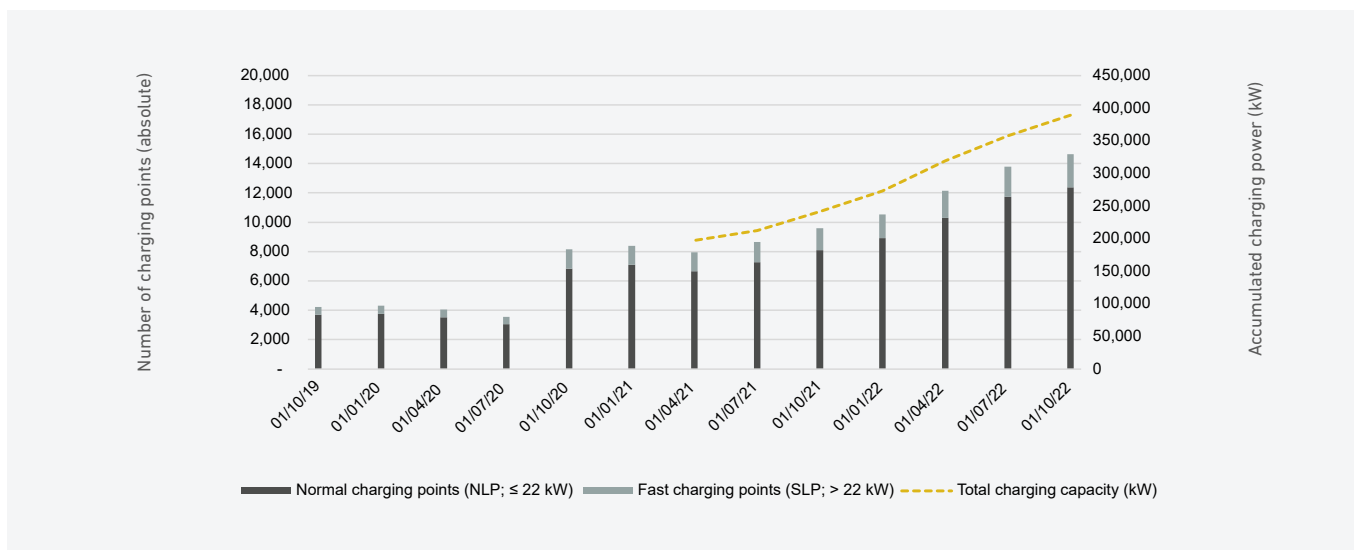


Source: Statistik Austria; Data status: 01.10.2022, Illustration: AustriaTech

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

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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