Electromobility in Austria

Facts & Figures | February 2023

3,415
E-vehicles (BEV, M1) new registrations

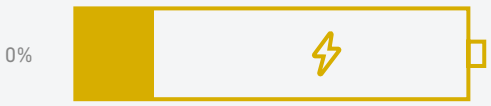
220
E-vehicles (BEV, N1) new registrations

8
E-vehicles (BEV, N2, N3, M2, M3) new registrations

115,892
E-vehicles (BEV, M1) Population

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

19% share of E-vehicles (M1) in new registrations in February 2023



↗ Trend in February

In February 3,415 electric cars (BEV, M1) and 220 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The number of E-vehicles (BEV) has increased to 115,892. In the comparison of federal states, Tyrol leads with a BEV share of new registrations of 22.03%.

↗ Overview and comments in February 2023

The developments in February continue to point the way towards the electrification of the transport sector. The National Competence Center for Electromobility monitors the facts and figures and compiles a monthly assessment of the relevant developments.

Fleet electrification in Austria is making progress
February is dominated by battery electric fleets, especially for commercial vehicles.

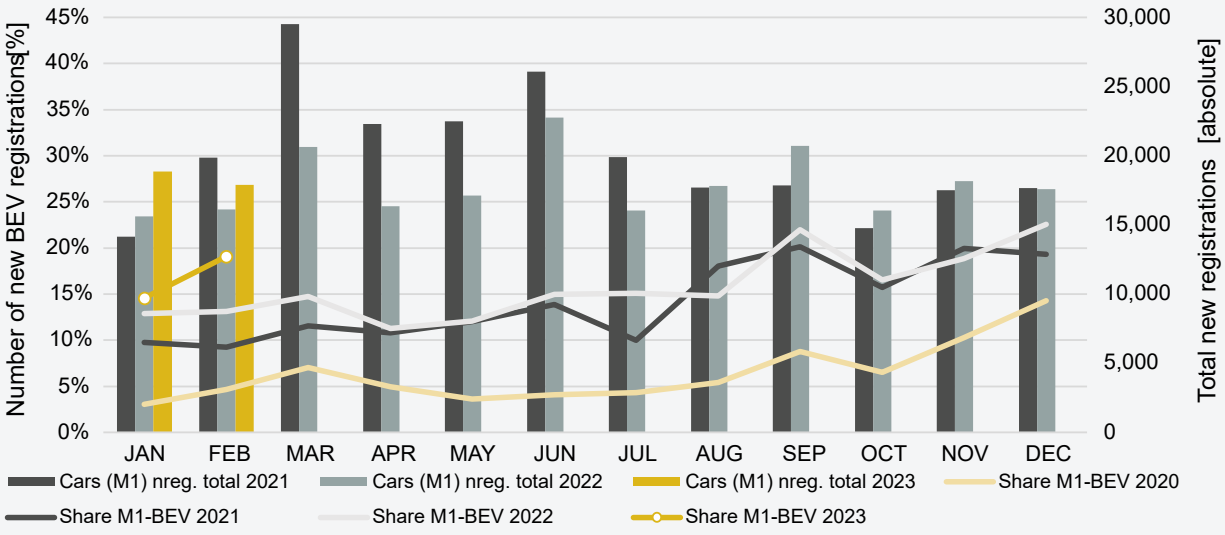
Carglass has announced that it will only purchase company vehicles with electric drives in Austria from January 2024. This means that 850 vehicles in the company's fleet will gradually be converted.

Commercial vehicles are experiencing upturns as well. The Austrian Post AG has announced that it will electrify its delivery vehicles in the Tyrolean capital of Innsbruck by the end of 2023. This year, 70 new e-vehicles will be purchased, bringing the local fleet to 100 e-vehicles. At the same time, 60 charging stations will be installed at four locations. The investment costs for the conversion, including the company's own power generation with photovoltaic systems, amount to 3.3 million euros. In addition to Graz, mail will thus also be delivered emission-free in Innsbruck. Since 2022, Post AG has only acquired e-vehicles for its delivery services, and the 3,000th e-vehicle was recently put into operation in Vienna.

The electrification of operational fleets in Austria is thus gaining further momentum. The purchase of zero-emission commercial vehicles will additionally be supported by the ENIN funding program.

Source: Electrive.net [13/02/2023]; Electrive.net [22/02/2023], APA OTS, Electrive.net [02/03/2022]; FFG.at/ENIN

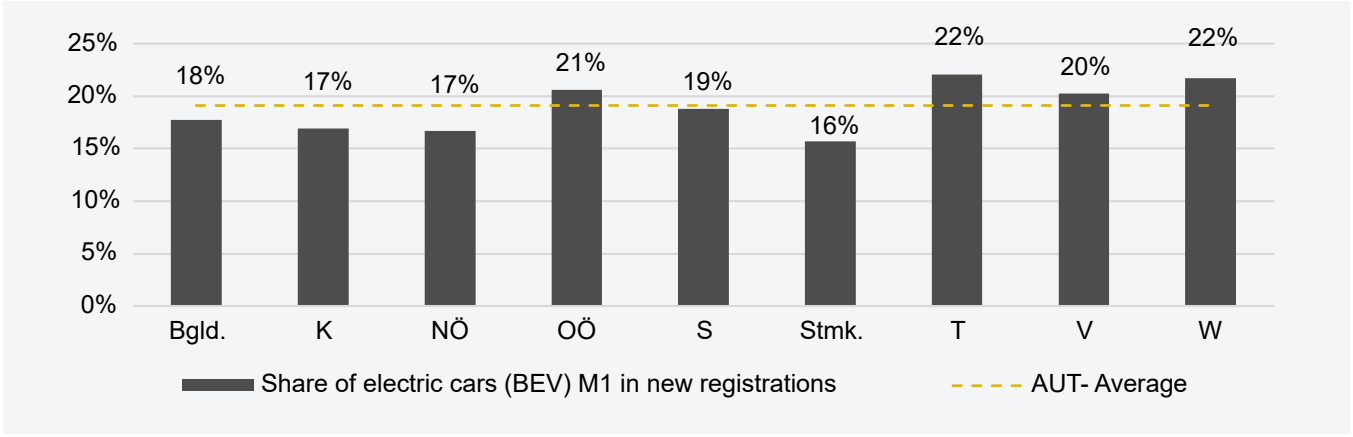
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2023



Source: Statistics Austria; Data status: End of each month respectively 28.02.2023; Illustration: AustriaTech

New registrations in February 2023

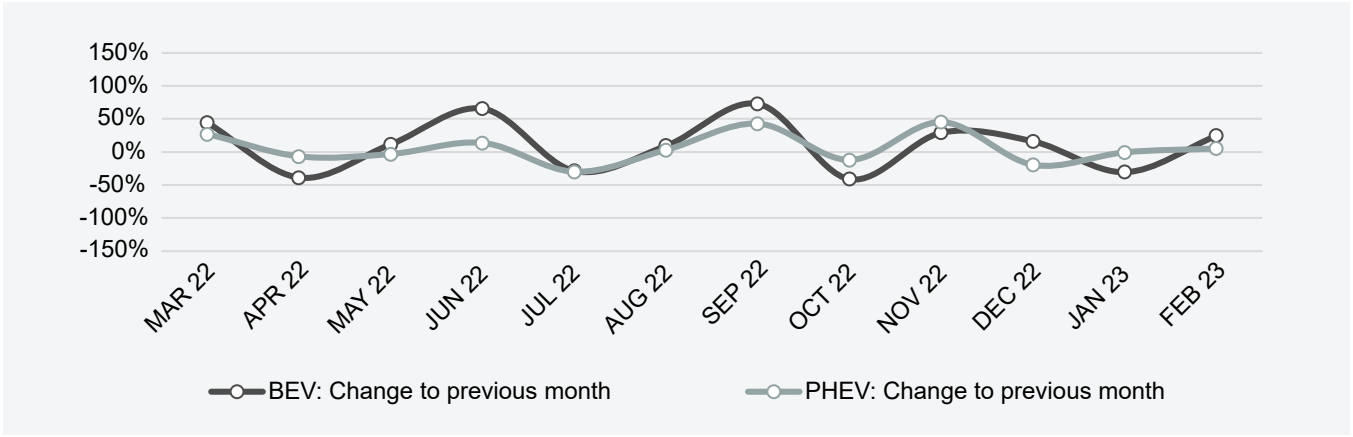
↗ Top 3 in e-vehicles (BEV) M1: T 22% W 22% OÖ 21%



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

Trend in new registrations, monthly comparison

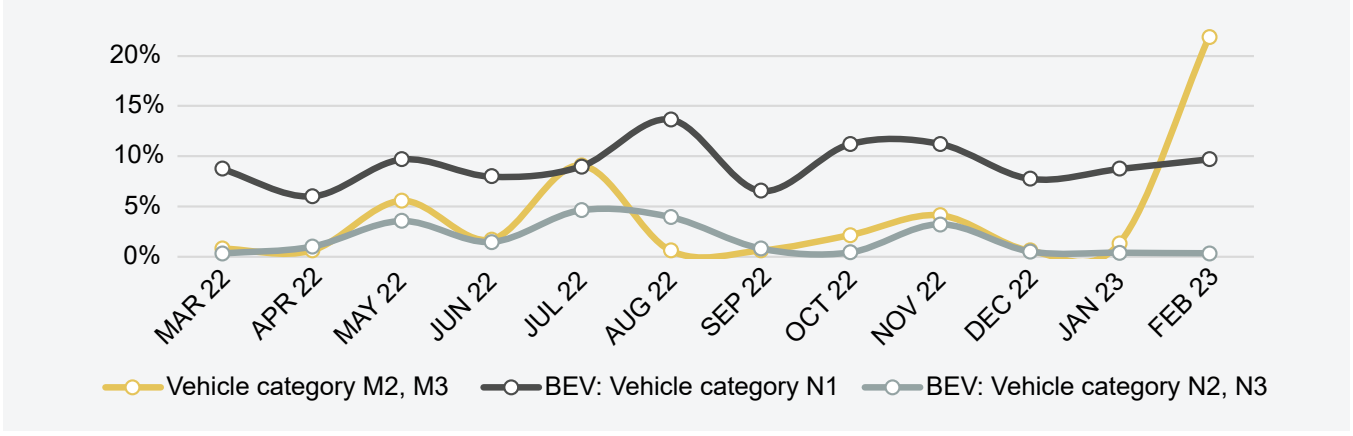
↗ BEV: +24% to previous month / PHEV: +5% to PM



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

New registrations by categories of commercial vehicles

↗ E-LCV (BEV) N1: 220 / 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 Feb
Passenger Vehicle Class M1	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	36,745
Petrol incl. Flex-Fuel	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	78,567	13,149
Diesel	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	48,115	7,519
Battery Electric Vehicle (BEV)	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	6,160
Compressed natural gas CNG (monovalent/bivalent)	788	703	484	435	641	578	407	85	59	0
Plug-In Hybrid Electric Vehicle (PHEV)	434	1,101	1,237	1,721	1,888	2,156	7,641	14,626	13,268	2,494
Fuel Cell Electric Vehicle (FCEV)	3	9	5	0	7	19	14	14	14	1
New e-Vehicle Registrations M1 (BEV, PHEV, FCEV)	1,718	2,787	5,068	7,154	8,652	11,417	23,627	48,006	47,447	8,655
Electric Vehicle Share of New Registrations M1	0.57%	0.90%	1.54%	2.02%	2.54%	3.47%	9.50%	20.02%	22.06%	23.55%
Further Electric Vehicles of the Classes L, M, N	876	930	1,949	1,910	2,724	3,141	3,558	6,155	6,485	587
Motorbikes/Tricycles/Quadricycles (Class L)	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	214
Busses Class M2 and M3	1	12	22	6	17	22	14	11	26	8
Duty Vehicle Class N1 (< 3.5 ton)	203	267	449	237	446	500	739	2,341	2,067	363
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	10	2	0	38	57	2

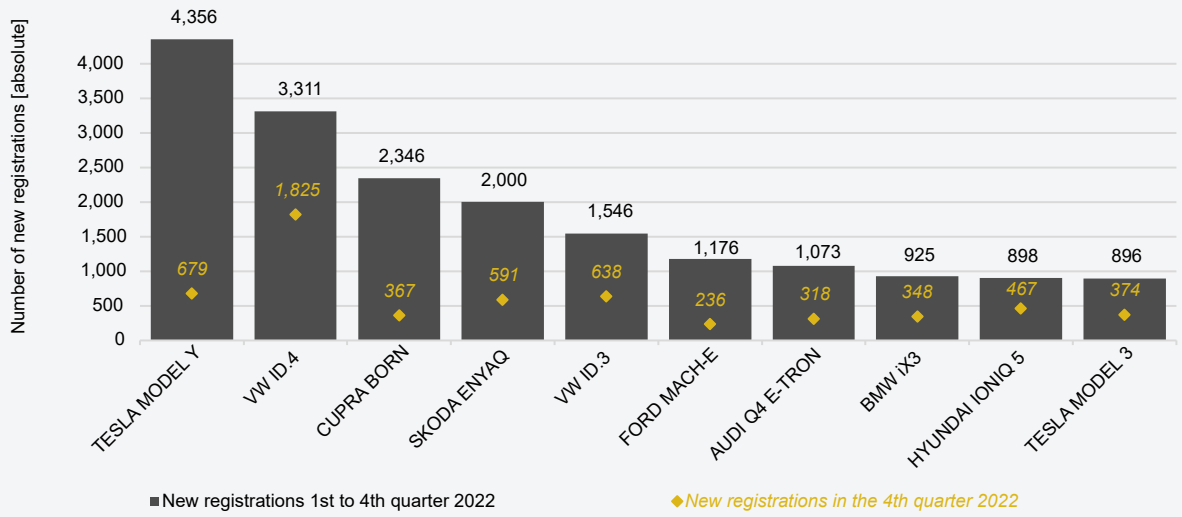
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 28.02.2023; Illustration: AustriaTech

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

Vehicle types, fuel types or energy source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 Feb
Passenger Vehicle Class M1	4,694,921	4,748,048	4,821,557	4,898,578	4,978,852	5,039,548	5,091,827	5,133,836	5,150,890	5,153,352
Petrol incl. Flex-Fuel	2,011,104	2,019,139	2,038,019	2,080,434	2,139,239	2,179,235	2,195,578	2,197,006	2,189,530	2,193,834
Diesel	2,663,063	2,702,922	2,749,046	2,770,470	2,776,332	2,772,854	2,762,273	2,717,475	2,651,280	2,639,613
Battery Electric Vehicle (BEV)	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	115,892
Compressed natural gas CNG (monovalent/bivalent)	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,180	5,126
Plug-In Hybrid Electric Vehicle (PHEV)	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	44,032
uel Cell Electric Vehicle (FCEV)	3	6	13	19	24	41	45	55	62	62
Electric Vehicle Population M1 (BEV, PHEV, FCEV)	4,165	6,550	11,373	18,585	26,565	37,606	59,789	105,615	151,867	159,986
Electric Vehicle – Change on Previous Year	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	43.79%	43.42%
Electric Vehicle Share in Population M1	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.95%	3.10%
Further Electric Vehicles of the Classes L, M, N	6.067	6.532	7.524	8.912	10.920	13.311	16.080	21.561	26,504	27,091
Motorbikes/Tricycles/Quadricycles (Class L)	5.116	5.324	5.907	7.057	8.614	10.533	12.565	15.716	18,621	18,835
Busses Class M2 and M3	131	138	149	143	154	161	172	174	202	210
Duty Vehicle Class N1 (< 3.5 ton)	819	1.069	1.467	1.711	2.141	2.605	3.330	5.627	7,582	7,945
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	11	12	13	44	99	101

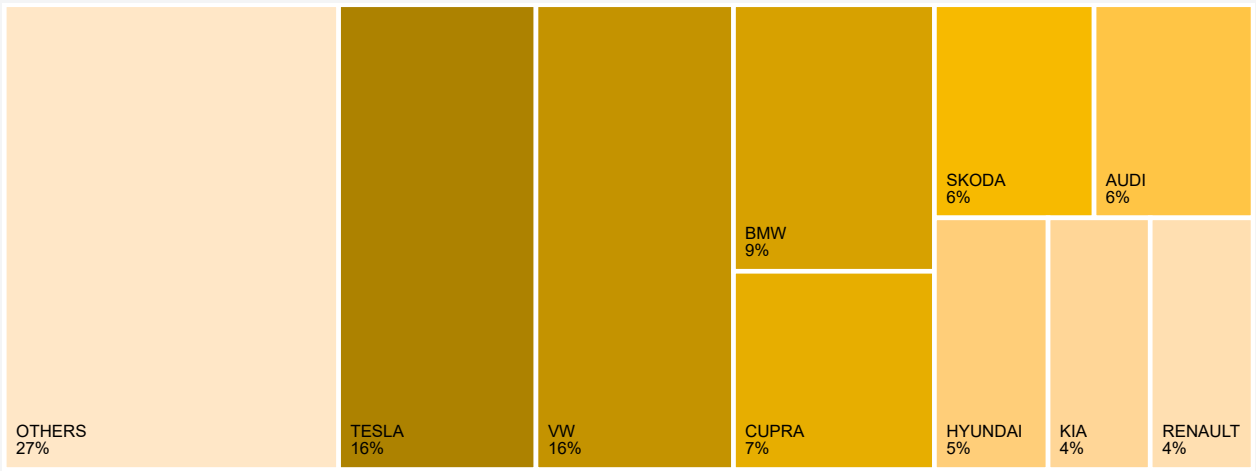
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 28.02.2023; the PHEV population (M1) were calculated on the basis of the old PHEV population (31.12.2022) and the cumulated new registrations of PHEV of the current year; analogous to the determination of the PHEV population, the stocks of electric vehicles of the classes L, M2, M3 as well as N1, N2 & N3 of the current year were calculated. ; Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by model, 1st to 4th quarter 2022



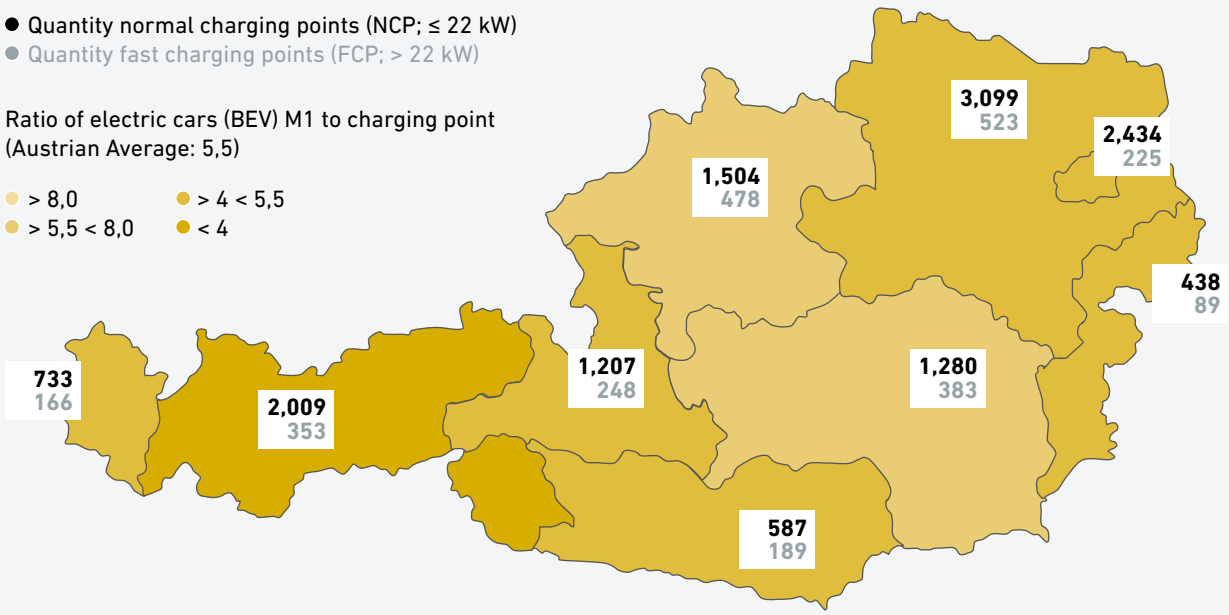
Source: Statistik Austria; Data status: 31.12.2022, Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by brand, 1st to 4th quarter 2022



Source: Statistik Austria; Data status: 31.12.2022, Illustration: AustriaTech

Publicly accessible charging points per federal state, 4th quarter 2022



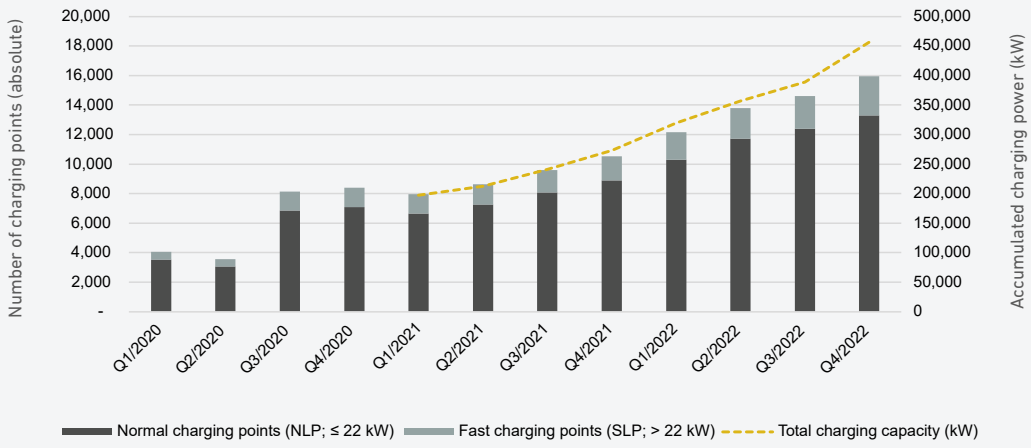
Source: E-Control; Data status: 01.01.2023, Illustration: AustriaTech

As of 1st January 2023, there were a total of 13,291 normal charging points and 2,654 fast charging points in Austria.

Note: The figure shows publicly available normal and fast charging points according to Directive 2014/94/EU per federal state.

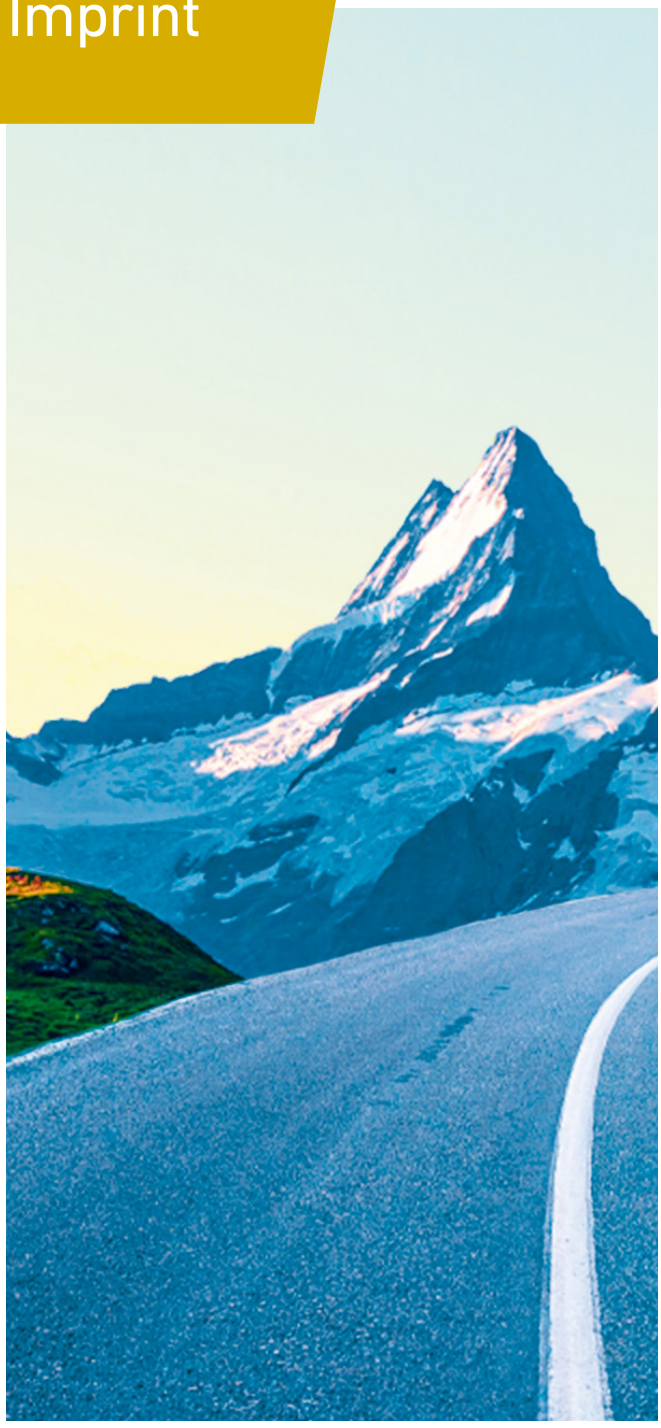
"Österreichs Leitstelle für Elektromobilität" is the central hub and competence center for national electromobility agendas. It supports the extension of charging infrastructure in public spaces and particularly enforces fast charging points. These can supply more vehicles, which means that the ratio 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, 2020-2022



Source: E-Control; 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 National Competence Center For Electromobility ("Österreichs Leitstelle für Elektromobilität") and offers a compact overview of recent developments in electromobility.

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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