

Electromobility in Austria

Facts & Figures | March 2023



5,075
E-vehicles (BEV, M1)
new registrations



244
E-vehicles (BEV, N1)
new registrations



5
E-vehicles (BEV, N2, N3,
M2, M3) new registrations



120,738
E-vehicles (BEV, M1)
Fleet

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

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



➤ Trend in March

In March 5,075 electric cars (BEV, M1) and 244 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The overall number of E-vehicles (BEV) has increased to 120,738. In the comparison of federal states, Vorarlberg leads with a BEV share of new registrations of 25.49%.

➤ Overview and comments in March 2023

March entailed several milestones for electromobility, as well as many new exciting developments. OLÉ – Austria’s National Competence Center for Electromobility is constantly monitoring figures and data, and produces a monthly assessment of key developments.

ENIN – subsidy program for zero-emission light commercial vehicles & heavy goods vehicles

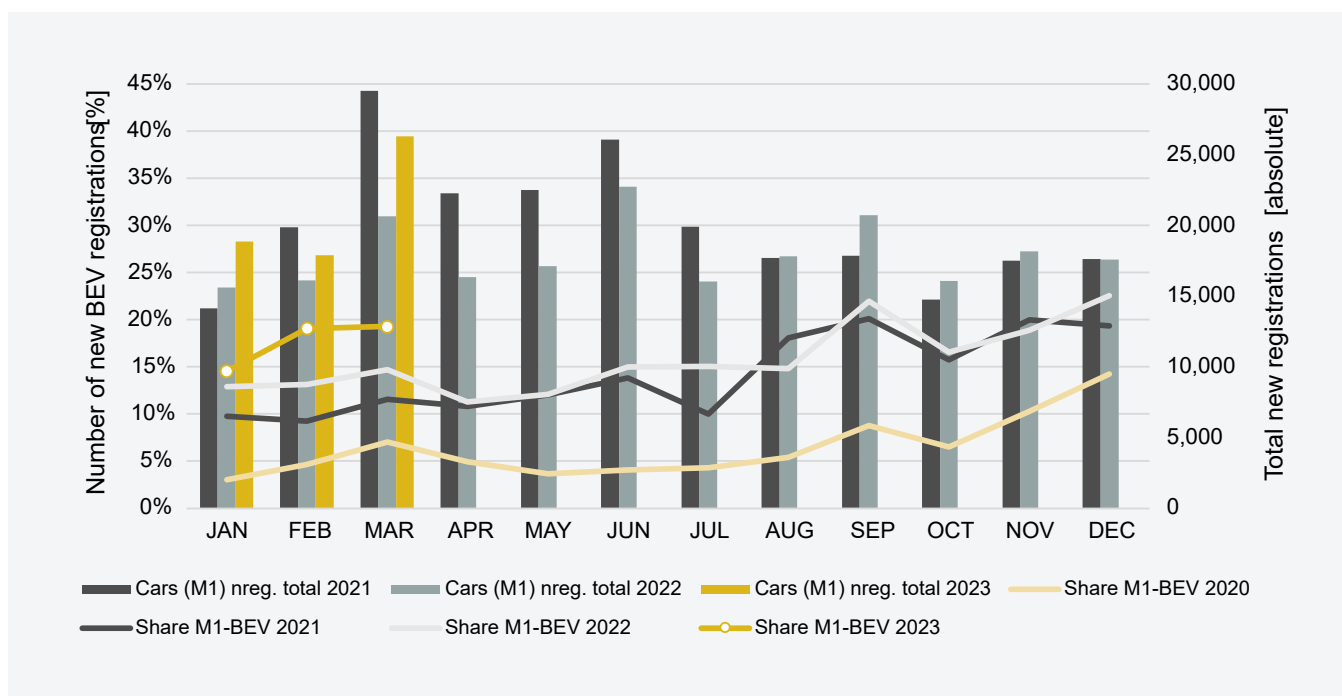
In March 2023, the Austrian government launched the funding program “ENIN” for zero-emission light commercial vehicles (LCV), heavy goods vehicles (HGV) and infrastructure, thus providing an essential lever for implementing the mobility

transition. With a funding volume of 365 million euros, ENIN supports companies in decarbonising their fleets and establishing the necessary charging and refuelling infrastructure.

Furthermore, the current proposal by the EU Commission (as of 02/2023) regarding CO2 standards stipulates that manufacturers of LCV and HGV must reduce their fleet emissions by 90 percent by 2040 (reference year 2019). For operators of LCV and HGV, this means that fleet conversion and the expansion of charging infrastructure must begin as early as possible. Austria has set even more ambitious goals with its 2030 Mobility Master Plan: 100 % emission-free new registrations of LCV and HGV up to 18 tons should be achieved as early as 2030 and 18 tons and above in 2035. Implementation is actively supported by the OLÉ – National Competence Center for Electromobility and ENIN.

Source: FFG.at/ENIN; Electrive.net [14/02/2022], Austria’s 2030 Mobility Master Plan

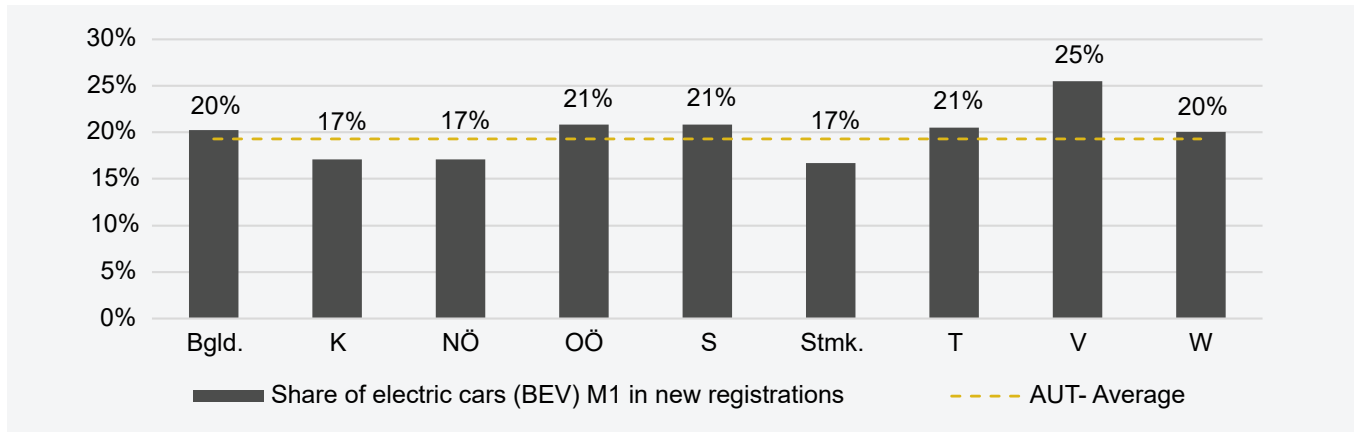
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2023



Source: Statistics Austria; Data status: End of each month respectively 31.03.2023; Illustration: AustriaTech

New registrations in March 2023

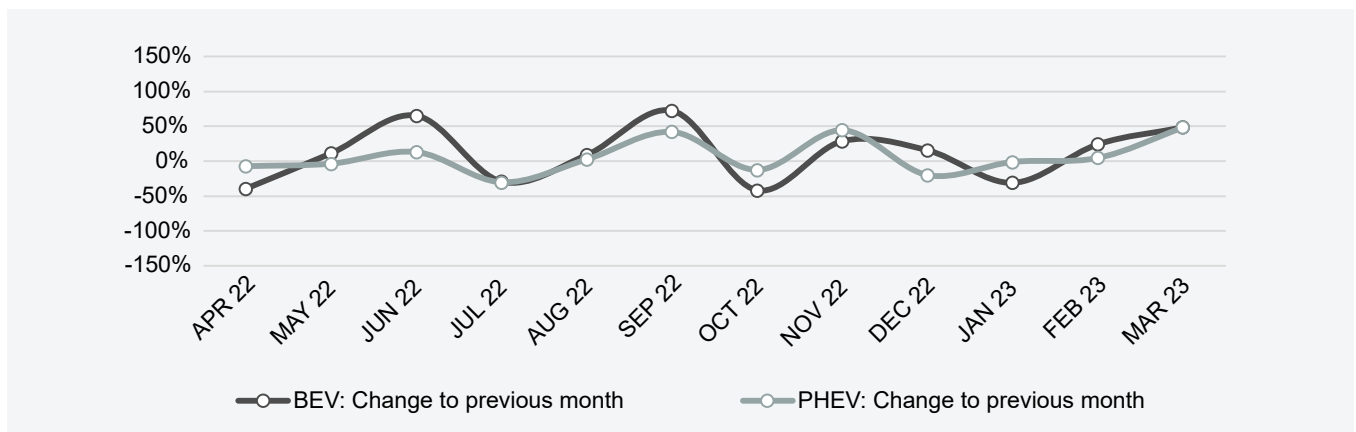
↗ Top 3 in e-vehicles (BEV) M1: V 25% S 21% OÖ 21%



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

Trend in new registrations, monthly comparison

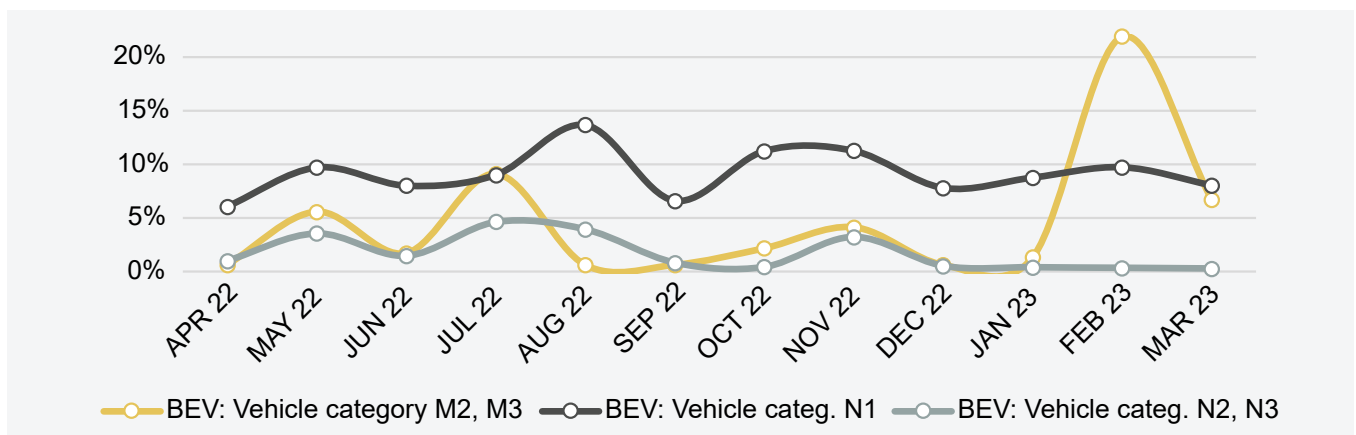
↗ BEV: +49% to previous month / PHEV: +49% to PM



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

New registrations by categories of commercial vehicles

↗ E-LCV (BEV) N1: 244 / E-HGV (BEV) N2, N3: 1



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

New vehicle 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 Mar
Passenger Vehicle Class M1	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	63,052
Petrol incl. Flex-Fuel	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	78,567	21,961
Diesel	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	48,115	12,780
Battery Electric Vehicle (BEV)	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	11,235
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	4,392
Fuel Cell Electric Vehicle (FCEV)	3	9	5	0	7	19	14	14	14	2
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	15,629
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%	24.79%
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	1,184
Motorbikes/Tricycles/Quadracycles (Class L)	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	562
Busses Class M2 and M3	1	12	22	6	17	22	14	11	26	12
Duty Vehicle Class N1 (< 3.5 ton)	203	267	449	237	446	500	739	2,341	2,067	607
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	10	2	0	38	57	3

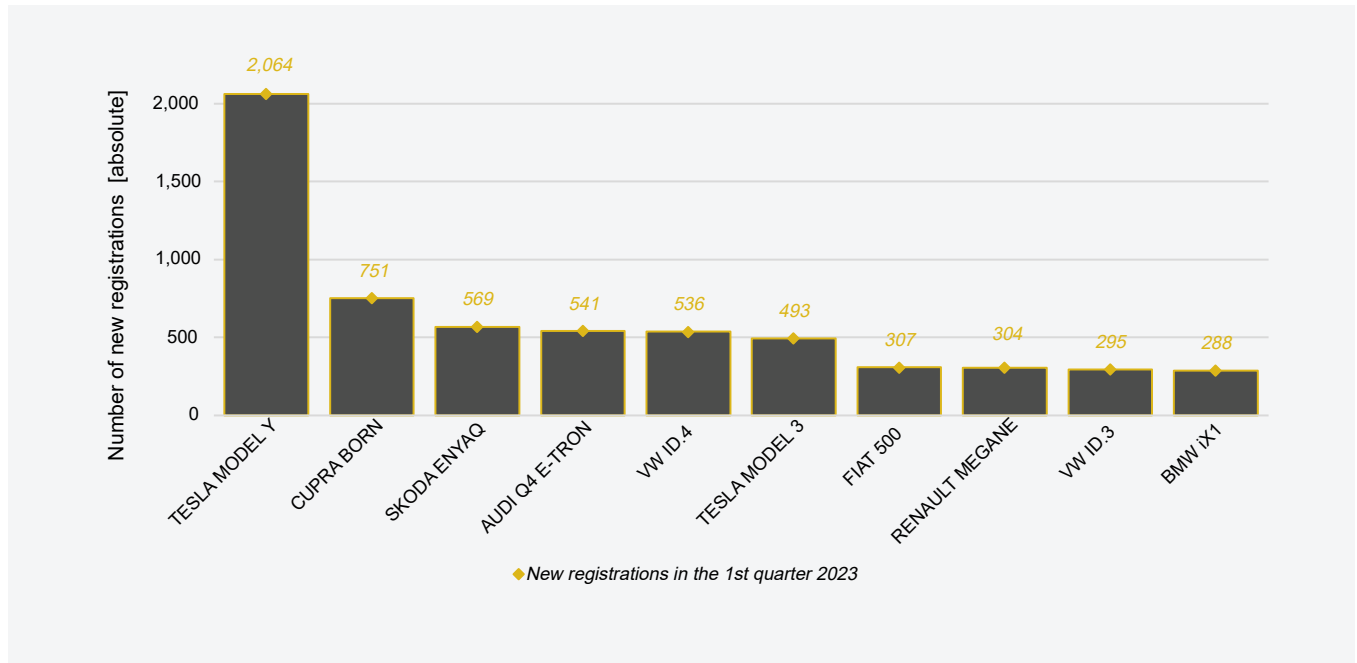
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.03.2023; Illustration: AustriaTech

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 Mar
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	5,162,082
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	2,195,844
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	2,634,830
Battery Electric Vehicle (BEV)	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	120,738
Compressed natural gas CNG (monovalent/bivalent)	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,180	5,094
Plug-In Hybrid Electric Vehicle (PHEV)	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	45,930
Fuel 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	166,730
Electric Vehicle – Change on Previous Year	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	43.79%	43.77%
Electric Vehicle Share in Population M1	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.95%	3.23%
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	27,688
Motorbikes/Tricycles/Quadracycles (Class L)	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	19,183
Busses Class M2 and M3	131	138	149	143	154	161	172	174	202	214
Duty Vehicle Class N1 (< 3.5 ton)	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,582	8,189
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	11	12	13	44	99	102

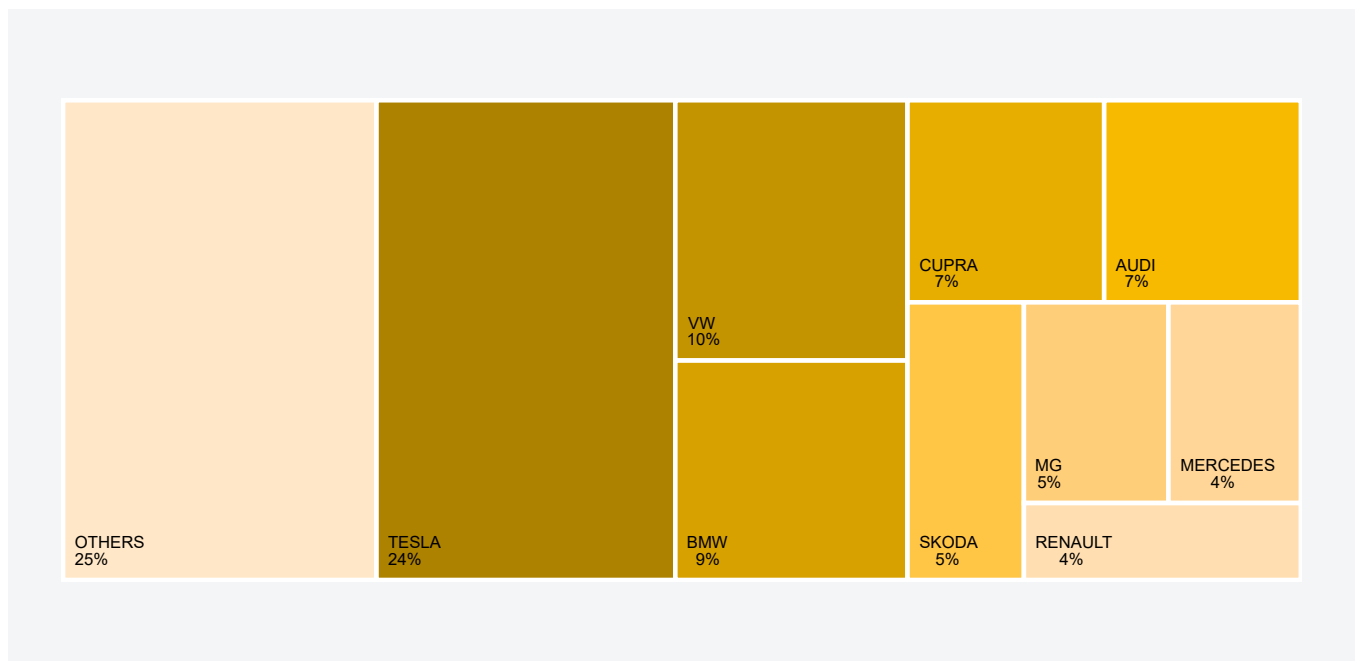
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.03.2023; the PHEV population (M1) were calculated on the basis of the old PHEV population (31.12.2022) and the cumulated new registrations of PHEV of the current year; analogous to the determination of the PHEV 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 quarter 2023



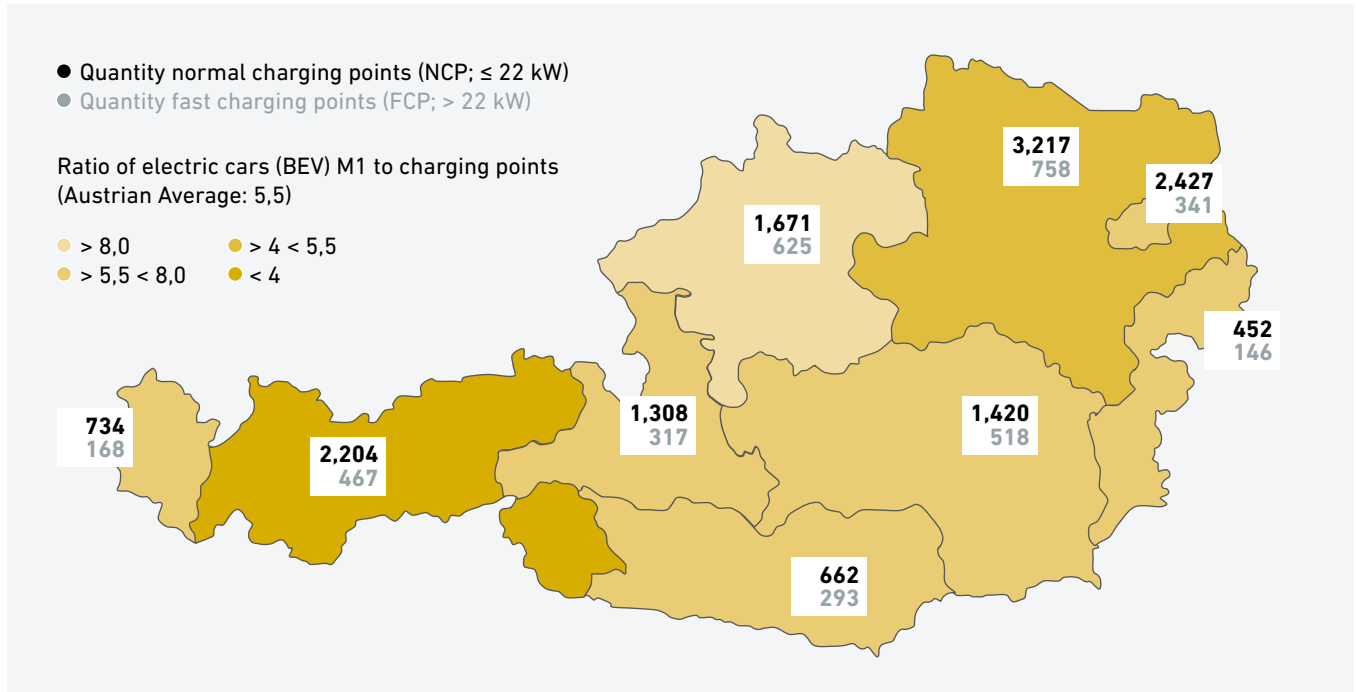
Source: Statistik Austria; Data status: 31.03.2023, Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by brand, 1st quarter 2023



Source: Statistik Austria; Data status: 31.03.2023, Illustration: AustriaTech

Publicly accessible charging points per federal state, 1st quarter 2023



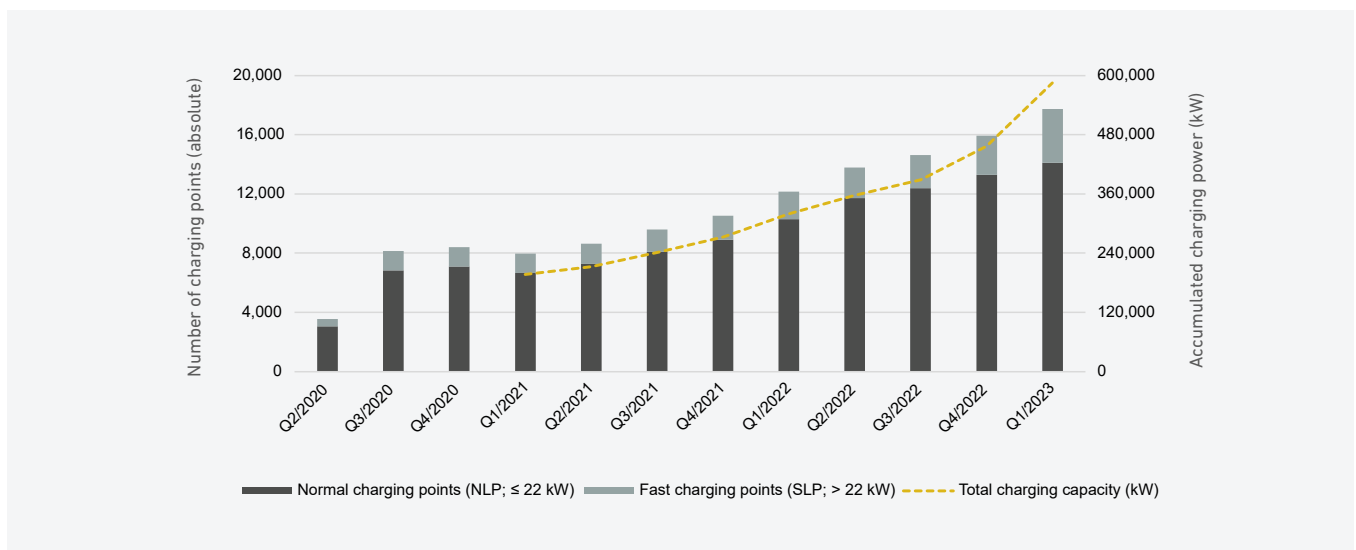
Source: E-Control; Data status: 01.04.2023, Illustration: AustriaTech

As of 1st April 2023, there were a total of 14,095 normal charging points and 3,633 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, 2020-2023



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.

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/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