

Electromobility in Austria

Facts & Figures | May 2023



4,130
E-Vehicles (BEV, M1)
new registrations



249
E-Vehicles (BEV, N1)
new registrations



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



127,987
E-Vehicles (BEV, M1)
fleet

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

20% share of e-vehicles (M1) in new registrations in May 2023



➤ Trend in May

In May, 4,130 electric cars (BEV, M1) and 249 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The overall number of e-vehicles (BEV) has increased to 127,987. Comparing the nine federal states, Vorarlberg leads with a BEV share of new registrations of 23.21%.

➤ Overview and comments in May 2023

In May, the electrification of the transport sector continues to advance and is supported by various subsidies. OLE – Austria’s National Competence Center for Electromobility tracks current developments and links them to facts, figures and data.

Research funding for e-mobility

The early summer is marked by funding and call for tenders, especially for implementation-oriented research projects.

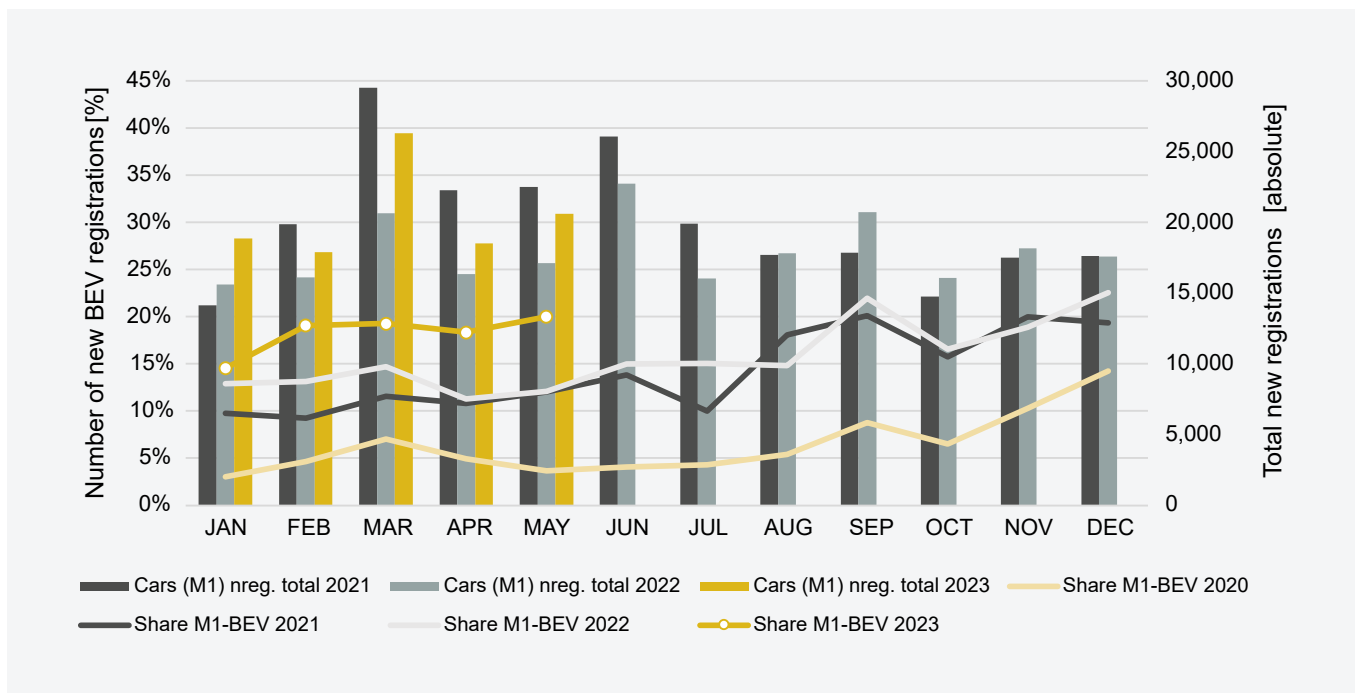
The National Action Programme for Mobility Management Fund’s “Zero Emission Mobility” program is funding projects with a volume of eight million euros that advance the complete

electrification of vehicles. This also includes projects and services that develop and test the associated charging infrastructure and thus support the integration of electromobility into a holistic mobility system. The focus of the funding lies on the system integration of “zero emission technologies” that have already been developed.

Another funding program by the Austrian government aims to achieve climate-neutral mobility in cities and provides a budget of 6.6 million euros for this purpose. The call for proposals “Mobility 2023: Urban Mobility and Vehicle Technologies” supports innovations dedicated to, among other things, electrified mobility and charging infrastructure in urban environments. The electrification and decarbonization of the transport sector in Austria is thus gaining further momentum.

Source: Electrive.net [25/05/2023], APA OTS, FFG.at

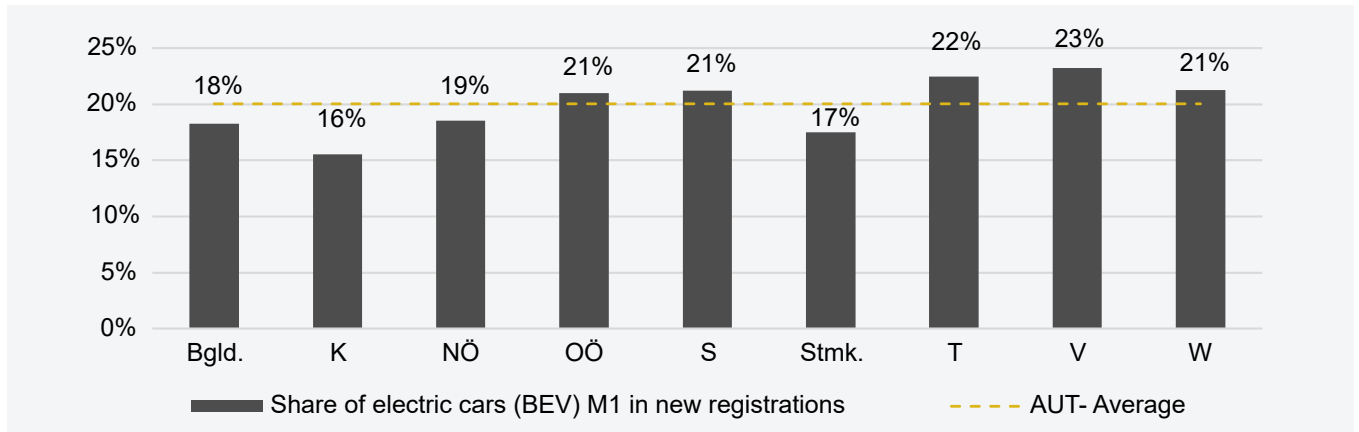
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2023



Source: Statistics Austria; Data status: End of each month respectively 31.05.2023; Illustration: AustriaTech

New e-vehicle registrations in May 2023

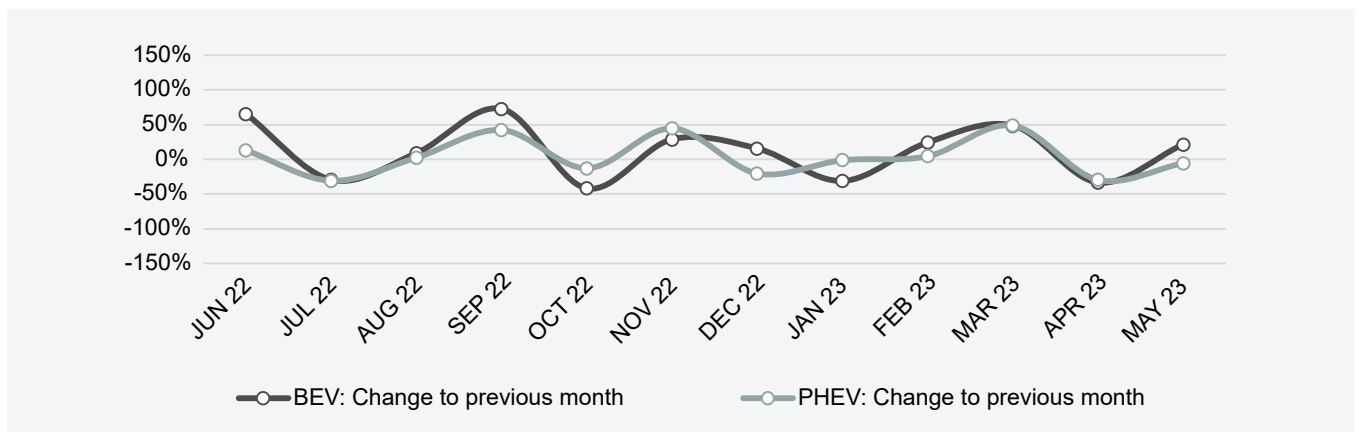
➤ Top 3 in e-vehicles (BEV) M1: V 23% T 22% W 21%



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

Trend in new e-vehicle registrations, monthly comparison

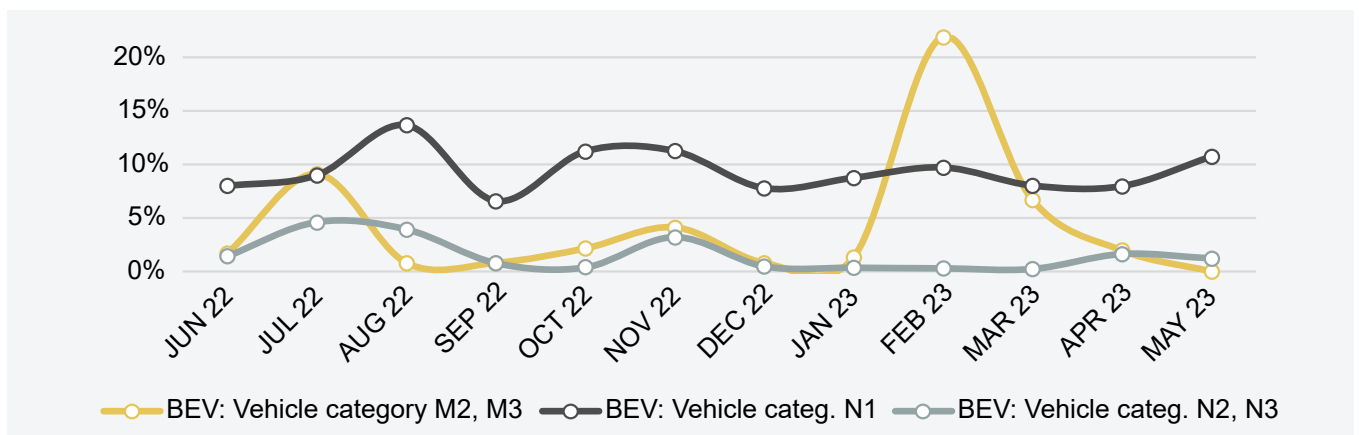
➤ BEV: 22% to previous month / PHEV: -5% to p.m.



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

New registrations by categories of commercial e-vehicles

➤ E-LCV (BEV) N1: 249 / E-HGV (BEV) N2, N3: 4



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

New vehicle registrations per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 May
Passenger Vehicle Class M1	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	102,179
Petrol incl. Flex-Fuel	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	78,567	35,147
Diesel	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	48,115	20,177
Battery Electric Vehicle (BEV)	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	18,760
Compressed Natural Gas CNG (monovalent/bivalent)	788	703	484	435	641	578	407	85	59	1
Plug-In Hybrid Electric Vehicle (PHEV)	434	1,101	1,237	1,721	1,888	2,156	7,641	14,626	13,268	7,013
Fuel Cell Electric Vehicle (FCEV)	3	9	5	0	7	19	14	14	14	3
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	25,776
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%	25.23%
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	2,282
Motorbikes/Tricycles/Quadracycles (Class L)	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	1,219
Busses Class M2 and M3	1	12	22	6	17	22	14	11	26	13
Duty Vehicle Class N1 (< 3.5 ton)	203	267	449	237	446	500	739	2,341	2,067	1,038
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	10	2	0	38	57	12

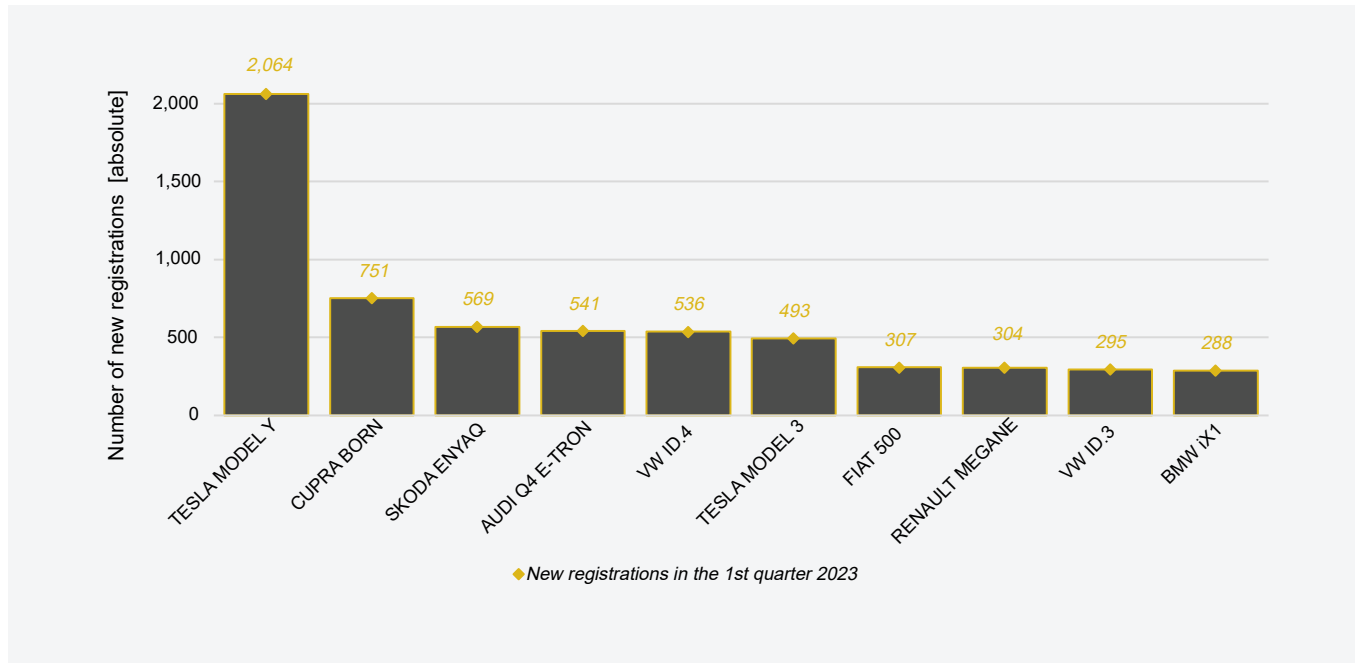
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.05.2023; Illustration: AustriaTech

Vehicle population per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 May
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	5,170,126
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	2,196,549
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	2,625,040
Battery Electric Vehicle (BEV)	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	127,987
Compressed Natural Gas CNG (monovalent/bivalent)	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,180	5,035
Plug-In Hybrid Electric Vehicle (PHEV)	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	48,551
Fuel Cell Electric Vehicle (FCEV)	3	6	13	19	24	41	45	55	62	63
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	176,601
Electric Vehicle – Change on Previous Year	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	43.79%	44.34%
Electric Vehicle Share in Population M1	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.95%	3.42%
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	28,786
Motorbikes/Tricycles/Quadracycles (Class L)	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	19,840
Busses Class M2 and M3	131	138	149	143	154	161	172	174	202	215
Duty Vehicle Class N1 (< 3.5 ton)	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,582	8,620
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	11	12	13	44	99	111

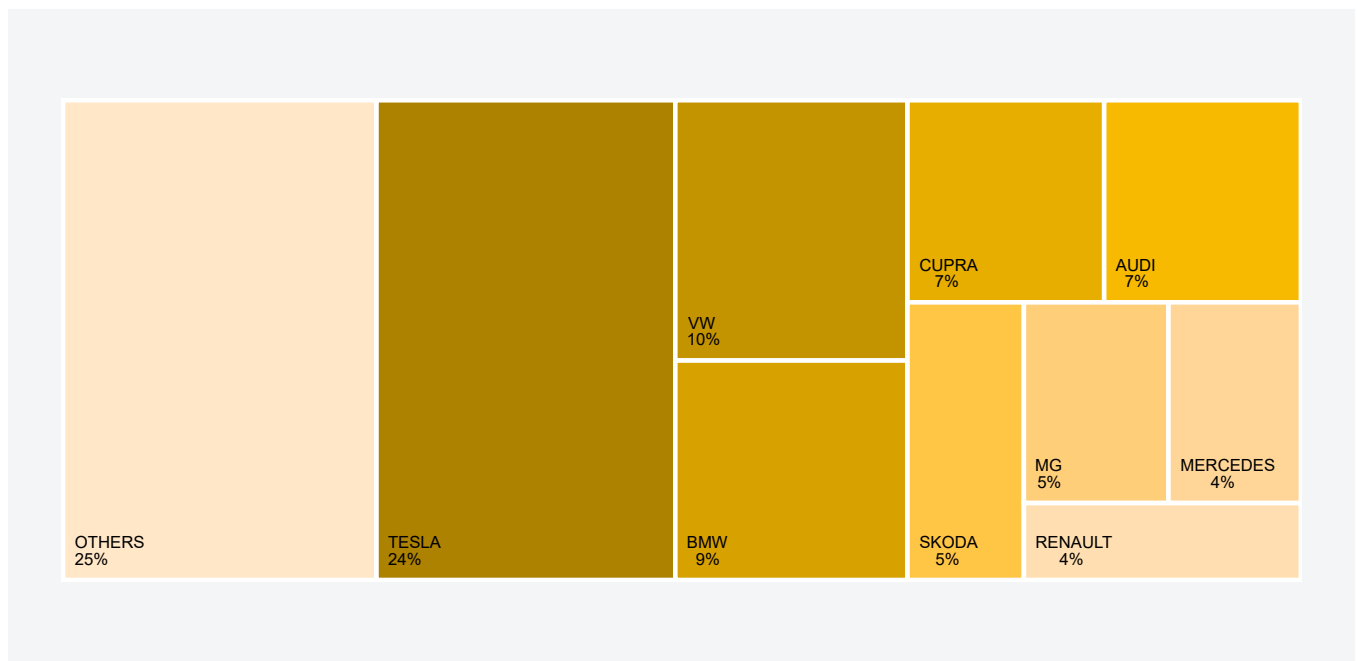
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 31.05.2023; the 2023 population figures for PHEV (M1) and for other e-vehicles of the classes L, M, N were calculated on the basis of the old population (31.12.2022) and the cumulative new registrations of the current 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



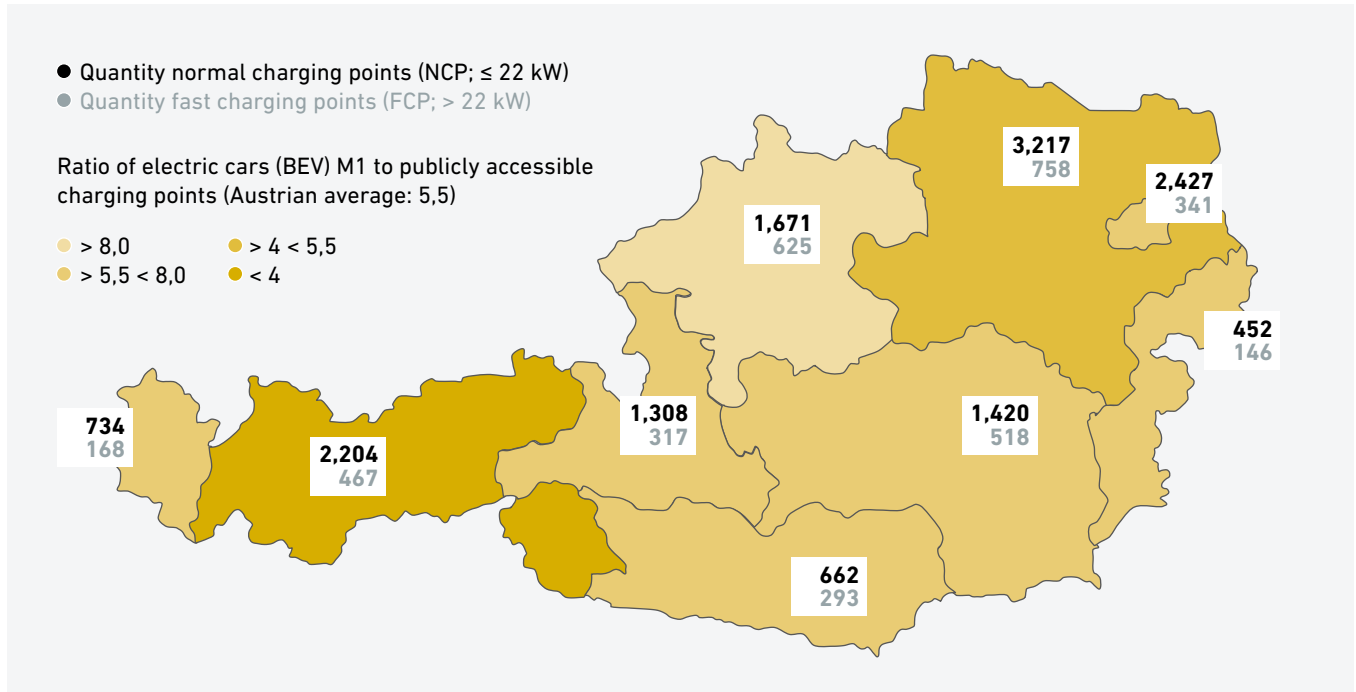
Source: Statistik Austria; Data status: 31.03.2023, Illustration: AustriaTech

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 (absolute numbers)



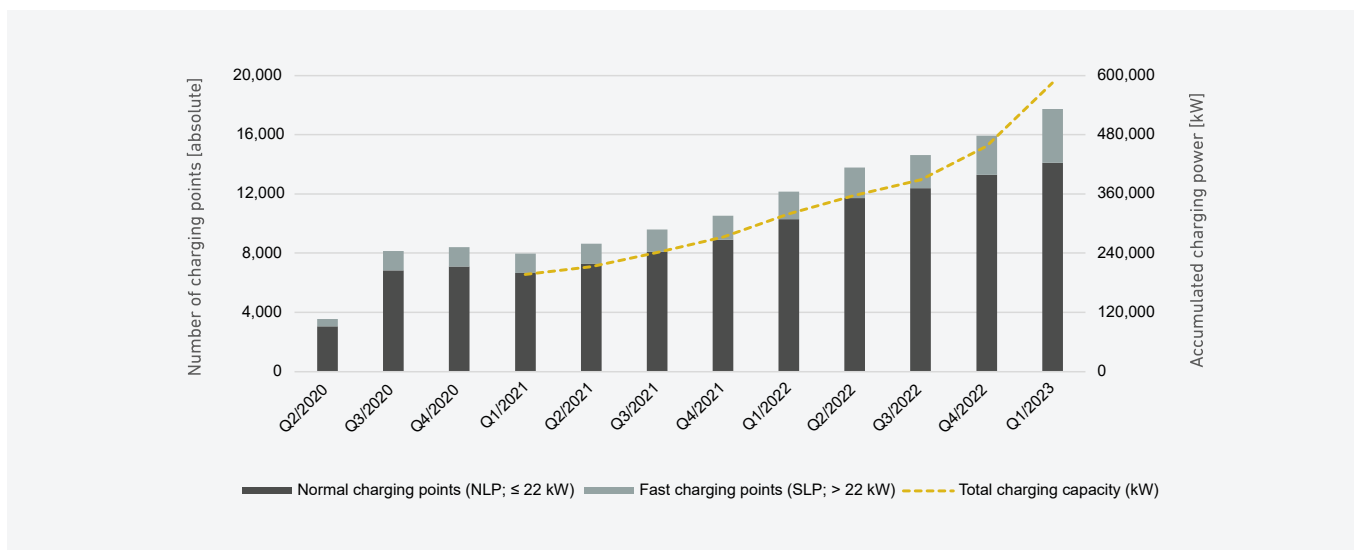
Source: E-Control; Data status: 01.04.2023, Illustration: AustriaTech

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 per quarter, 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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Media owner and publisher:

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für technologiepolitische Maßnahmen GmbH
Raimundgasse 1/6, 1020 Vienna, Austria
FN 92873d, Handelsgericht Wien
UID number: ATU39393704
Status: May 2023
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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