

Electromobility in Austria

Facts & Figures | June 2023



4,612
E-Vehicles (BEV, M1)
new registrations



402
E-Vehicles (BEV, N1)
new registrations



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



132,466
E-Vehicles (BEV, M1)
fleet

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

19% share of e-vehicles (M1) in new registrations
in June 2023



➤ Trend in June

In June 4,612 electric cars (BEV, M1) and 402 electric light commercial vehicles (BEV, N1) were newly registered in Austria. The overall number of e-vehicles (BEV) has increased to 132,466. Comparing the nine federal states, Salzburg leads with a BEV share of new registrations of 22.59%.

➤ Overview and comments in June 2023

In June, a number of milestones were reached with regard to the framework conditions for e-mobility. OLÉ - Austria's National Competence Center for Electromobility is constantly monitoring facts and figures, and provides an assessment of key developments.

Clear path for sustainable use of batteries

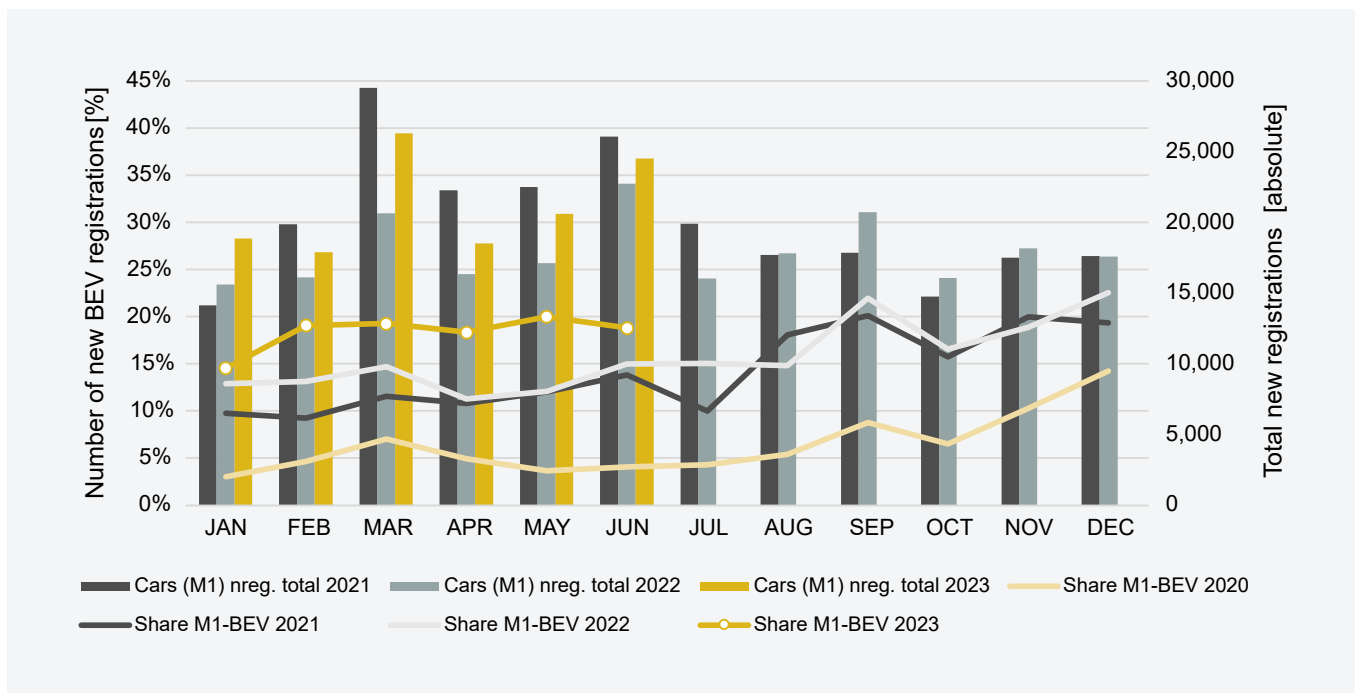
The EU is paving the way for a strategy for a sustainable use of batteries. The Council adopted a new regulation governing the production, reuse and recycling of batteries. The new law includes measures to simplify the handling of batteries through carbon footprint labelling. The act also establishes

mandatory due diligence requirements for large companies. The handling of used batteries is regulated by a waste strategy: A minimum proportion of recovered materials from batteries must be reused in new batteries. This regulation also affects the handling of vehicle batteries and thus makes a significant contribution to greater environmental compatibility of electromobility.

Positive developments can be reported from the cooperation between the EU and the USA. At the fourth ministerial meeting of the EU-US Trade and Technology Council, representatives agreed on common standards for megawatt charging systems (MCS) for heavy-duty vehicles. In addition, recommendations were made for the expansion of HDV charging infrastructure.

Source: European Parliament, European Commission

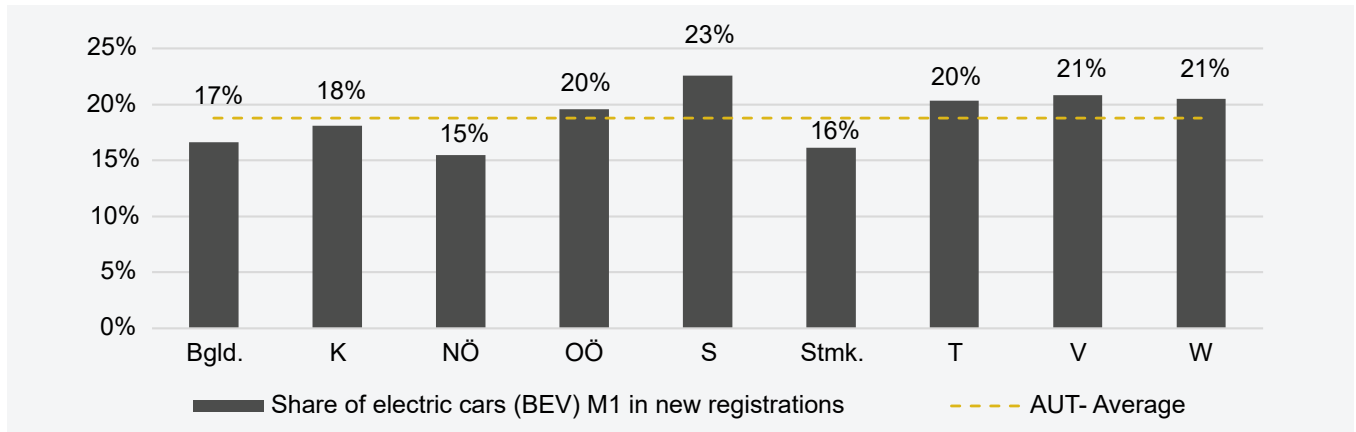
New registrations of e-vehicles per month: e-vehicles (BEV) M1, 2020-2023



Source: Statistics Austria; Data status: End of each month respectively 30.06.2023; Illustration: AustriaTech

New e-vehicle registrations in June 2023

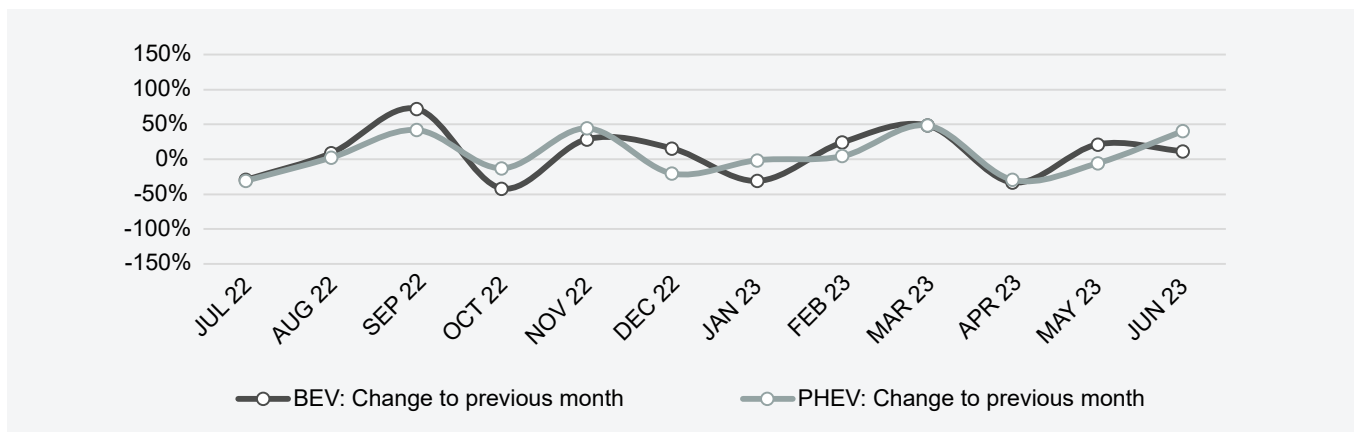
➤ Top 3 in e-vehicles (BEV) M1: S 23% V 21% W 21%



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

Trend in new e-vehicle registrations, monthly comparison

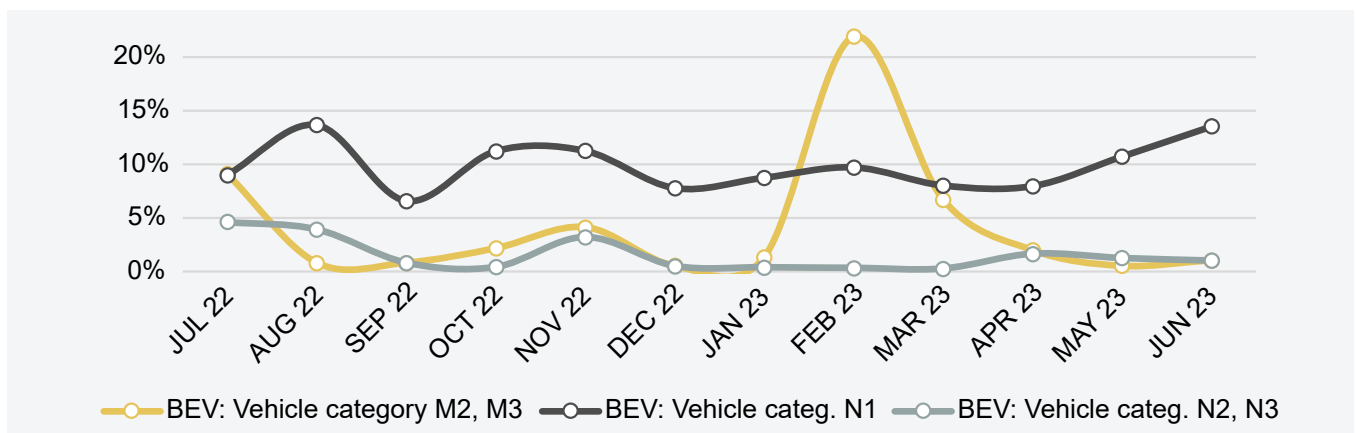
➤ BEV: 12% to previous month / PHEV: 41% to p.m.



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

New registrations by categories of commercial e-vehicles

➤ E-LCV (BEV) N1: 402 / E-HGV (BEV) N2, N3: 3



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 June
Passenger Vehicle Class M1	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	126,690
Petrol incl. Flex-Fuel	126,503	122,832	131,756	163,701	184,150	176,706	107,771	91,478	78,567	43,136
Diesel	172,381	179,822	188,820	175,458	140,111	126,311	90,909	58,263	48,115	25,278
Battery Electric Vehicle (BEV)	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	23,372
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	8,812
Fuel Cell Electric Vehicle (FCEV)	3	9	5	0	7	19	14	14	14	9
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	32,193
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%	25.41%
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	3,108
Motorbikes/Tricycles/Quadracycles (Class L)	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	1,639
Busses Class M2 and M3	1	12	22	6	17	22	14	11	26	14
Duty Vehicle Class N1 (< 3.5 ton)	203	267	449	237	446	500	739	2,341	2,067	1,440
Duty Vehicle Class N2, N3 (> 3.5 ton)	0	0	0	0	10	2	0	38	57	15

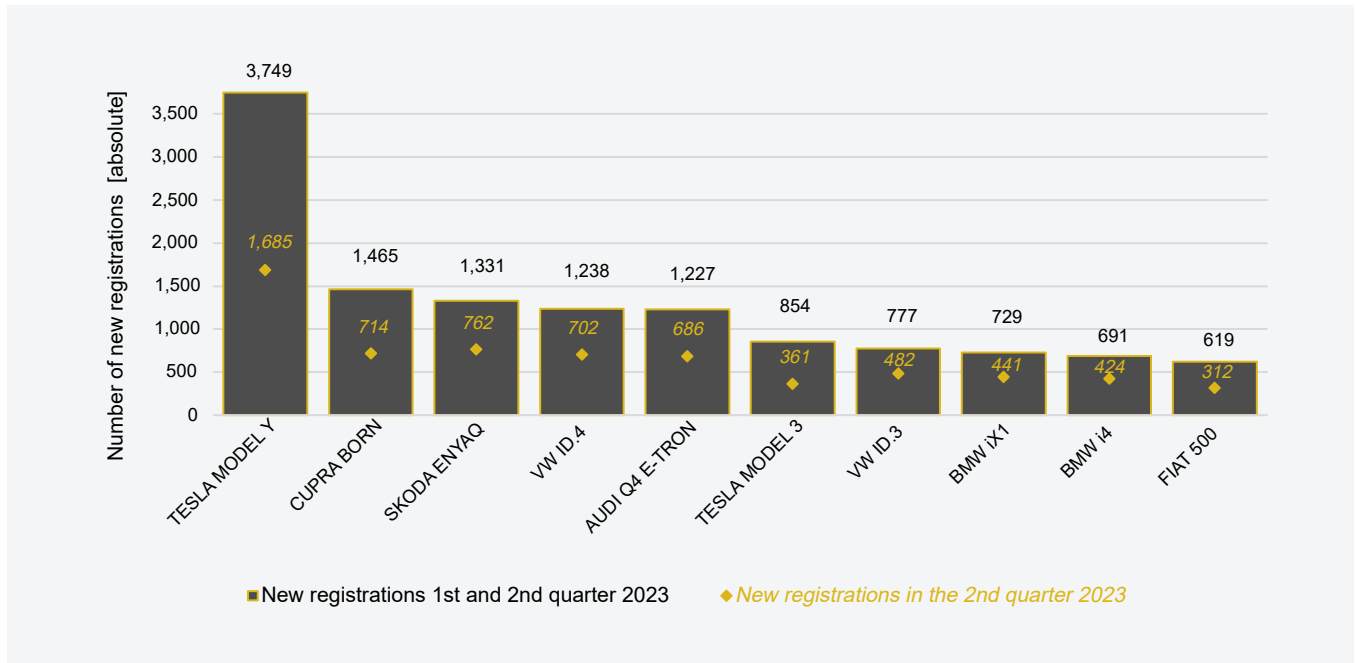
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.06.2023; Illustration: AustriaTech

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 June
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	5,178,342
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	2,197,859
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	2,621,090
Battery Electric Vehicle (BEV)	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	132,466
Compressed Natural Gas CNG (monovalent/bivalent)	4,262	4,775	5,031	5,206	5,542	5,746	5,731	5,455	5,180	5,007
Plug-In Hybrid Electric Vehicle (PHEV)	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	50,350
Fuel Cell Electric Vehicle (FCEV)	3	6	13	19	24	41	45	55	62	65
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	182,881
Electric Vehicle – Change on Previous Year	68.08%	57.26%	73.63%	63.41%	42.94%	41.56%	58.99%	76.65%	43.79%	44.09%
Electric Vehicle Share in Population M1	0.09%	0.14%	0.24%	0.38%	0.53%	0.75%	1.17%	2.06%	2.95%	3.53%
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	29,612
Motorbikes/Tricycles/Quadracycles (Class L)	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	20,260
Busses Class M2 and M3	131	138	149	143	154	161	172	174	202	216
Duty Vehicle Class N1 (< 3.5 ton)	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,582	9,022
Duty Vehicle Class N2, N3 (> 3.5 ton)	1	1	1	1	11	12	13	44	99	114

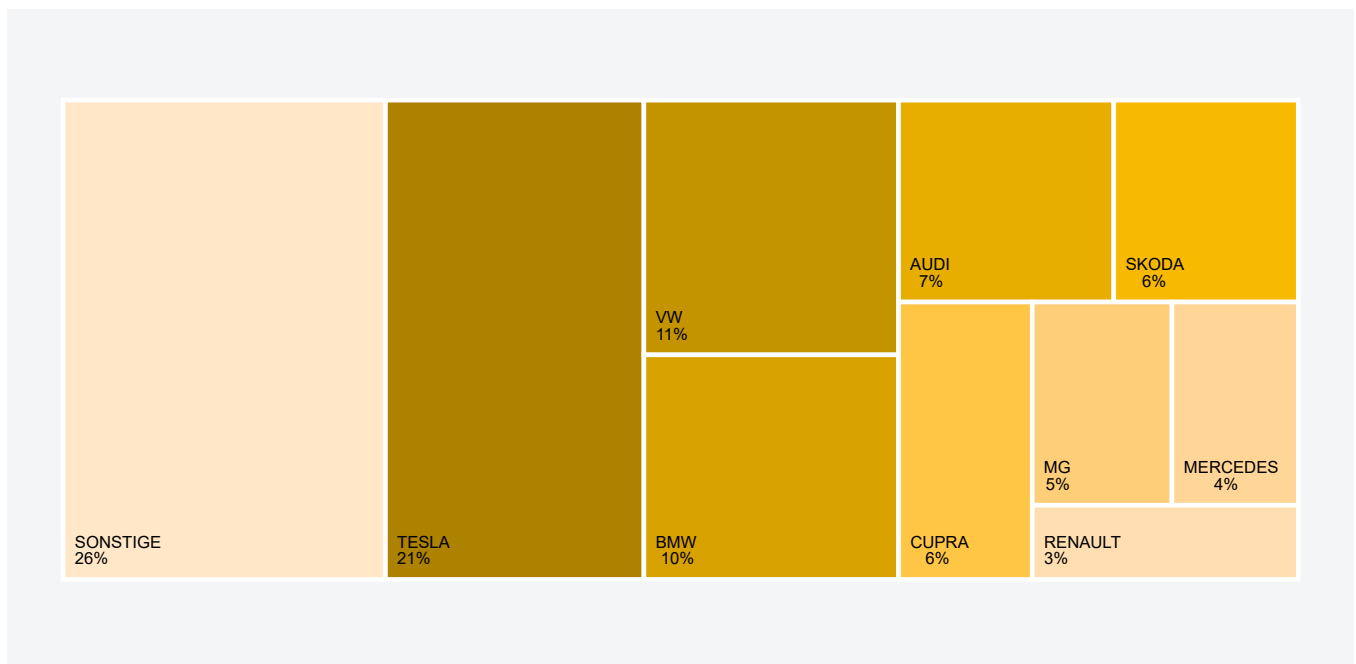
Source: Statistics Austria; Data status: 31.12. of the corresponding year respectively 30.06.2023; the 2023 population figures for PHEV (M1) and for other e-vehicles of the classes L, M, N were calculated on the basis of the old population (31.12.2022) and the cumulative new registrations of the current 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 to 2nd quarter 2023



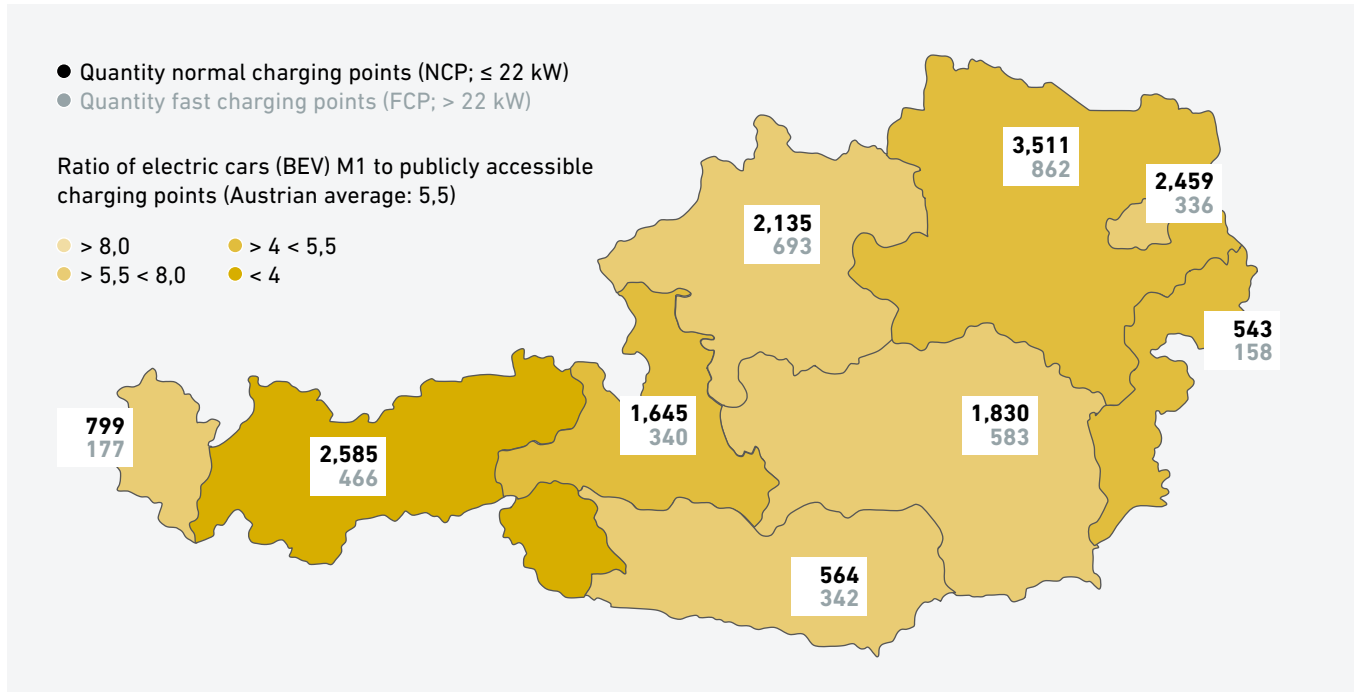
Source: Statistik Austria; Data status: 30.06.2023, Illustration: AustriaTech

Best selling electric passenger cars (BEV) M1 by brand, 1st to 2nd quarter 2023



Source: Statistik Austria; Data status: 30.06.2023, Illustration: AustriaTech

Publicly accessible charging points per federal state, 2nd quarter 2023 (absolute numbers)



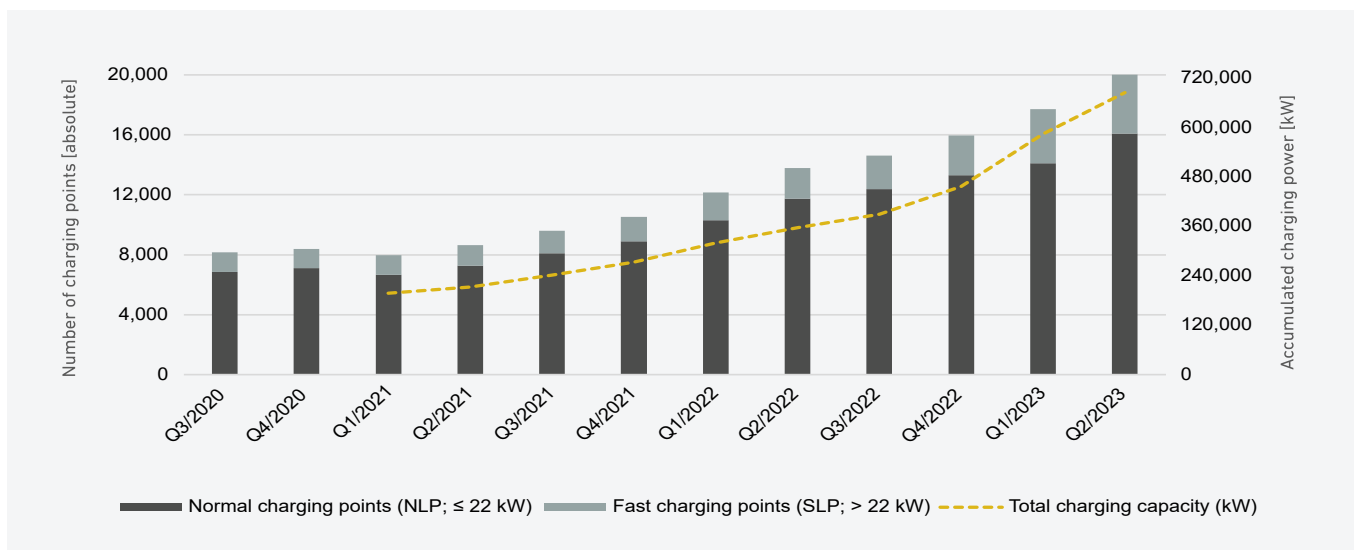
Source: E-Control; Data status: 01.07.2023, Illustration: AustriaTech

As of 1st July 2023, there were a total of 16,071 normal charging points and 3,957 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.

“OLÉ - 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 (“OLÉ - 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