

E-Mobility in Austria

Facts & Figures | January 2024



2,823
BEV cars (M1)
new registrations



198
BEV-LCV (N1)
new registrations



5
BEV-HGV (N2 + N3)
new registrations



5
BEV buses (M2 + M3)
new registrations

2030: 100% in new registrations

16 % BEV share of cars (M1) in new registrations
in January 2024



158,258
BEV cars (M1)
in operation



21,462
charging points
in operation

What does BEV mean ?

BEV is short for „Battery electric vehicle“. Such a vehicle is driven by an electric motor and draws the required energy from an accumulator.

➤ Overview and comments in January 2024

In January, OLÉ - Austria's National Competence Center for E-mobility looked at the expansion of the charging infrastructure in accordance with European requirements. Additionally, figures, data and developments in the field of electromobility were analysed.

Expansion of the Austrian recharging network

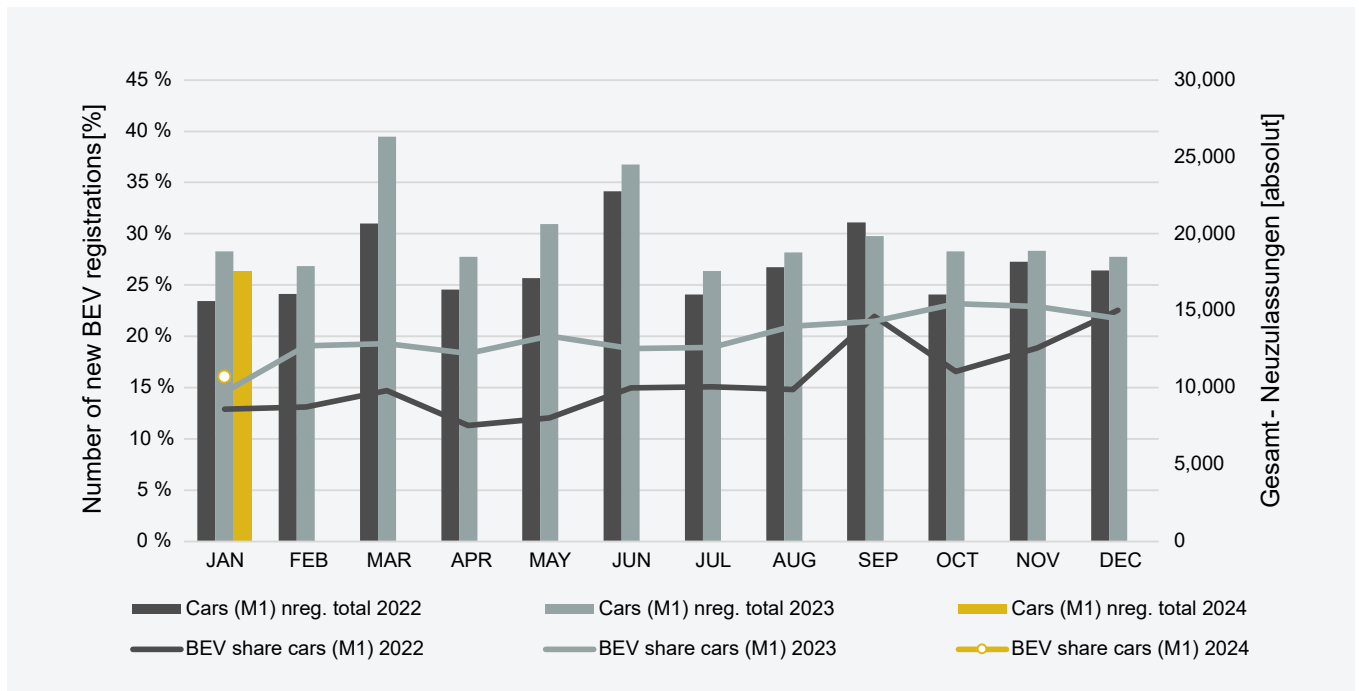
The national charging network has been significantly expanded over the past three years. Austria is on track to meet the European requirements for recharging infrastructure. In addition to the number of charging points, the average charging

capacity per charging point has increased, too. In the first quarter of 2021, around 200 MW of cumulative charging capacity was available. In January 2024, the charging capacity is more than four times as high at more than 800 MW. This is largely due to the steady increase in the availability of ultra-fast chargers above 150 kW. In 2021, ultra-fast charges accounted for 17 percent of the charging capacity on offer. Today, the share of ultra-fast chargers is the highest of the three power categories. A great success for the progress of e-mobility in Austria!

OLÉ – Austria's National Competence Center for E-mobility is constantly working to create the necessary framework conditions to further promote the expansion of recharging infrastructure.

Source: E-Control, data cleansing by AustriaTech; Data status: beginning of the respective following month

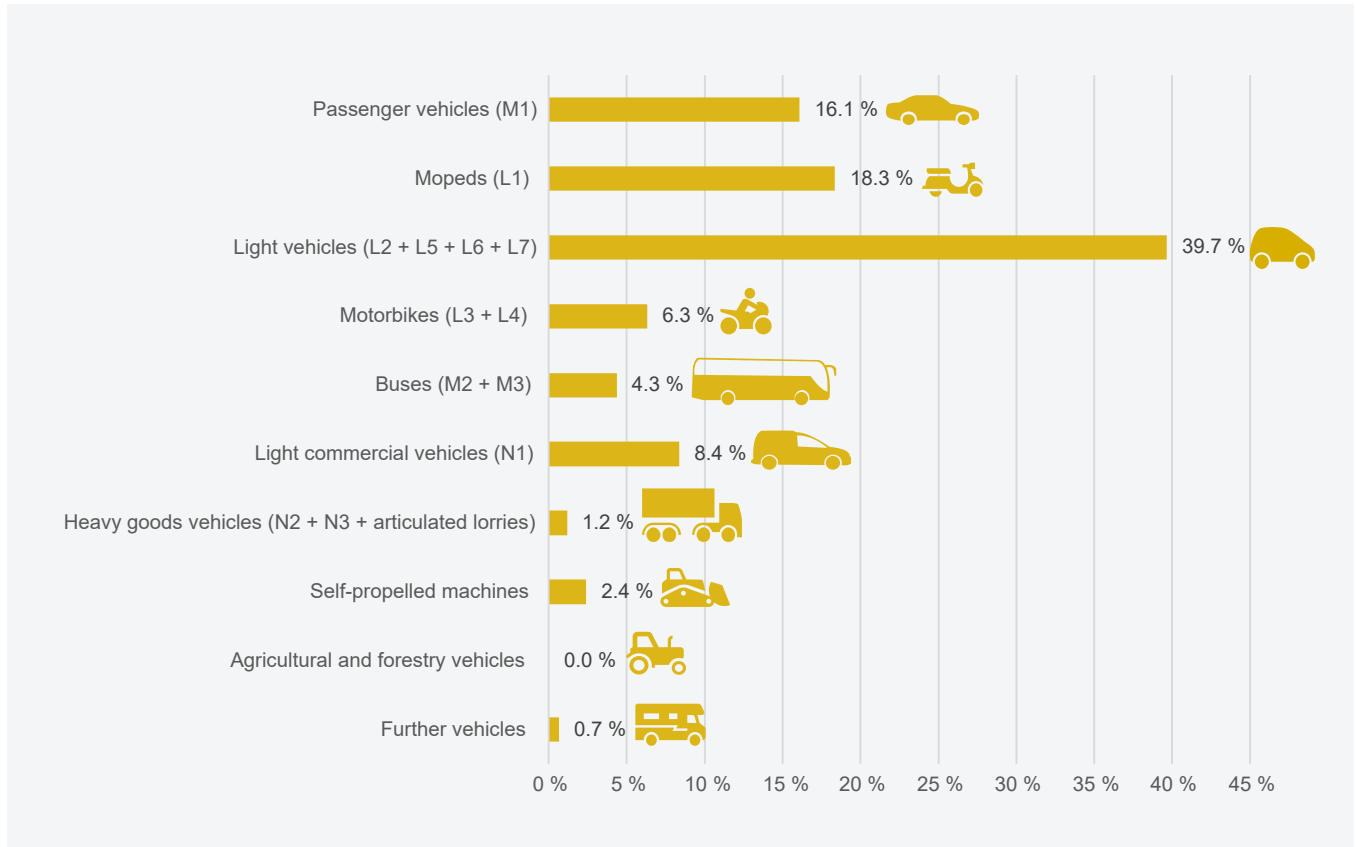
New registrations per month: BEV cars (M1), 2022-2024



Source: Statistics Austria; Illustration: AustriaTech; Data status: End of each month respectively 31/01/2024

Share of new registrations of BEV in selected vehicle classes

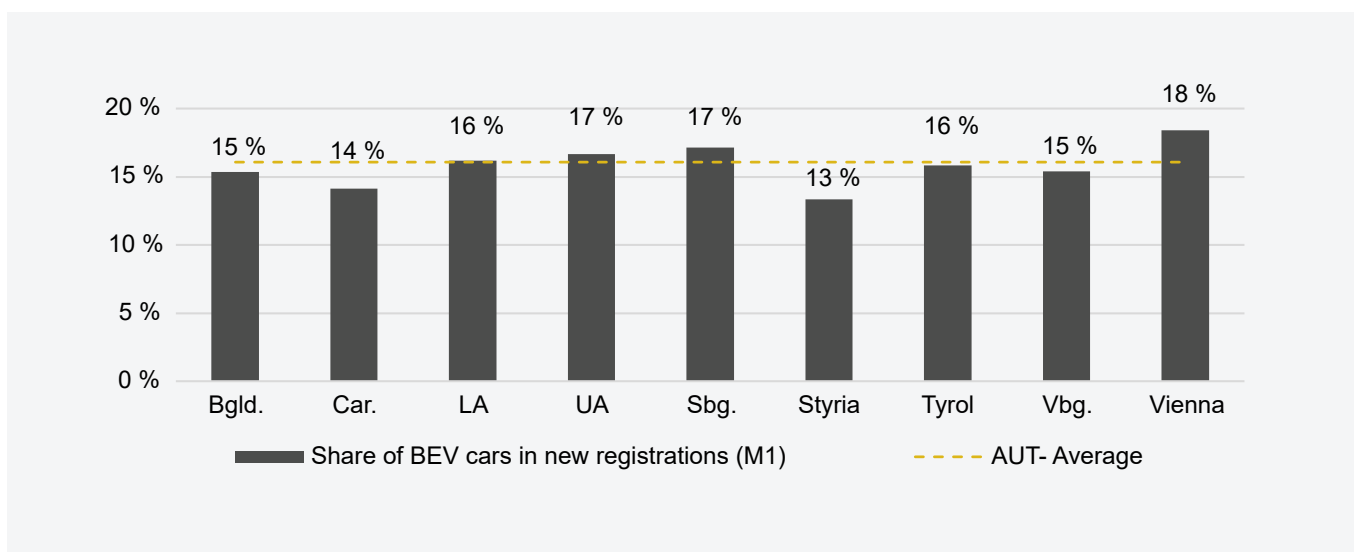
➤ BEV-LV (L2 + L5 + L6 + L7): 23



Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/01/2024

New registrations of BEV cars (M1) by federal state

➤ Top 3 in BEV cars (M1): Vienna 18 % Sbg. 17 % UA 17 %



Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/01/2024

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

Vehicle types, fuel types or energy source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Jan
Passenger vehicle class M1	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	239,150	17,552
Petrol incl. hybrids*	124,725	135,061	170,230	190,285	186,943	125,949	120,929	106,805	114,059	8,704
Diesel incl. hybrids*	180,340	188,989	175,501	141,119	130,423	98,757	70,782	60,735	60,493	4,552
Gas (CNG, LNG; mono- & bivalent)	703	486	435	642	580	407	86	63	11	4
Plug-in hybrid electric vehicle (PHEV)	1,101	1,237	1,721	2,258	2,156	7,641	14,626	13,268	16,956	1,469
Battery electric vehicle (BEV)	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	47,621	2,823
Fuel cell electric vehicle (FCEV)	9	5	0	7	19	14	14	14	10	0
BEV registrations: Change compared to previous year	30.91 %	128.15 %	42.00 %	24.37 %	36.78 %	72.82 %	108.90 %	2.39 %	39.39 %	2.84 %
BEV share of new registrations	0.54 %	1.16 %	1.54 %	1.98 %	2.81 %	6.42 %	13.91 %	15.89 %	19.91 %	16.08 %
Further BEV of the classes L, M, N	930	1,949	1,910	2,724	3,141	3,558	6,155	6,485	6,453	295
Motorbikes/Tricycles/Quadracycles (class L)	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	3,087	92
Buses (classes M2 + M3)	12	22	6	17	22	14	11	26	58	5
Light commercial vehicles LCV (class N1; < 3.5 t)	267	449	237	446	500	739	2,341	2,067	3,265	198
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	0	0	0	1	0	0	36	43	29	3
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	2	0	2	14	14	2
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	3	0	0	0	1	16	2

* Hybrid electric drive not externally chargeable

Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 31/01/2024

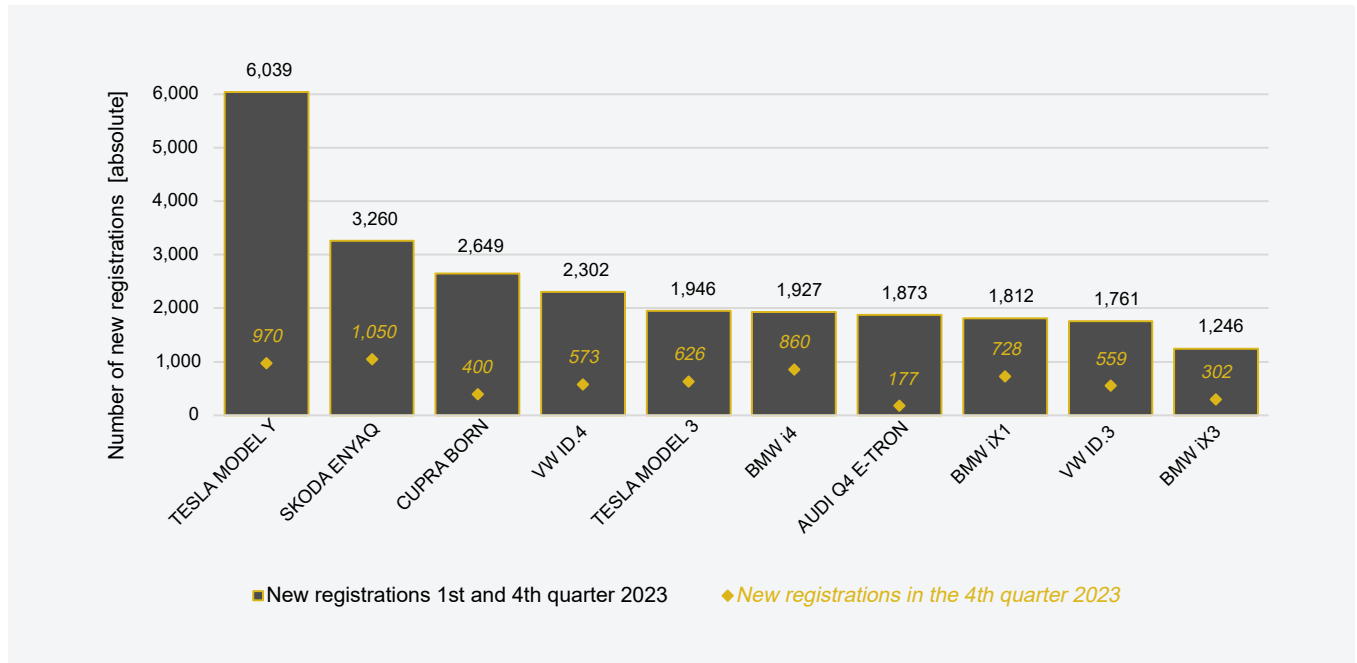
Vehicle population per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Jan
Passenger vehicle class M1	4,748,048	4,821,557	4,898,578	4,978,852	5,039,548	5,091,827	5,133,836	5,150,890	5,185,006	5,184,052
Petrol incl. hybrids*	2,032,461	2,054,541	2,102,712	2,167,858	2,217,132	2,250,050	2,278,751	2,303,486	2,330,348	2,331,708
Diesel incl. hybrids*	2,703,950	2,750,270	2,771,738	2,778,552	2,778,732	2,775,925	2,743,683	2,690,025	2,637,123	2,630,617
Gas (CNG, LNG; mono- & bivalent)	5,087	5,373	5,543	5,877	6,078	6,063	5,787	5,512	5,114	5,070
Plug-in hybrid electric vehicle (PHEV)	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	56,864	58,333
Battery electric vehicle (BEV)	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	155,490	158,258
Fuel cell electric vehicle (FCEV)	6	13	19	24	41	45	55	62	67	66
BEV vehicle stock: Change compared to previous year	48.61 %	80.31 %	61.12 %	42.50 %	41.73 %	50.75 %	71.97 %	44.01 %	41.07 %	40.46 %
BEV share of vehicle stock	0.11 %	0.19 %	0.30 %	0.42 %	0.59 %	0.87 %	1.49 %	2.14 %	3.00 %	3.05 %
Further BEV of the classes L, M, N	6,532	7,524	8,913	10,924	13,314	16,083	21,564	26,508	31,668	31,970
Motorbikes/Tricycles/Quadracycles (class L)	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	20,688	20,780
Buses (classes M2 + M3)	138	149	143	154	161	172	174	202	242	247
Light commercial vehicles LCV (class N1; < 3.5 t)	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,582	10,584	10,782
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	1	1	1	2	2	3	40	81	105	108
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	10	10	4	18	29	31
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	4	3	3	3	4	20	22

* Hybrid electric drive not externally chargeable

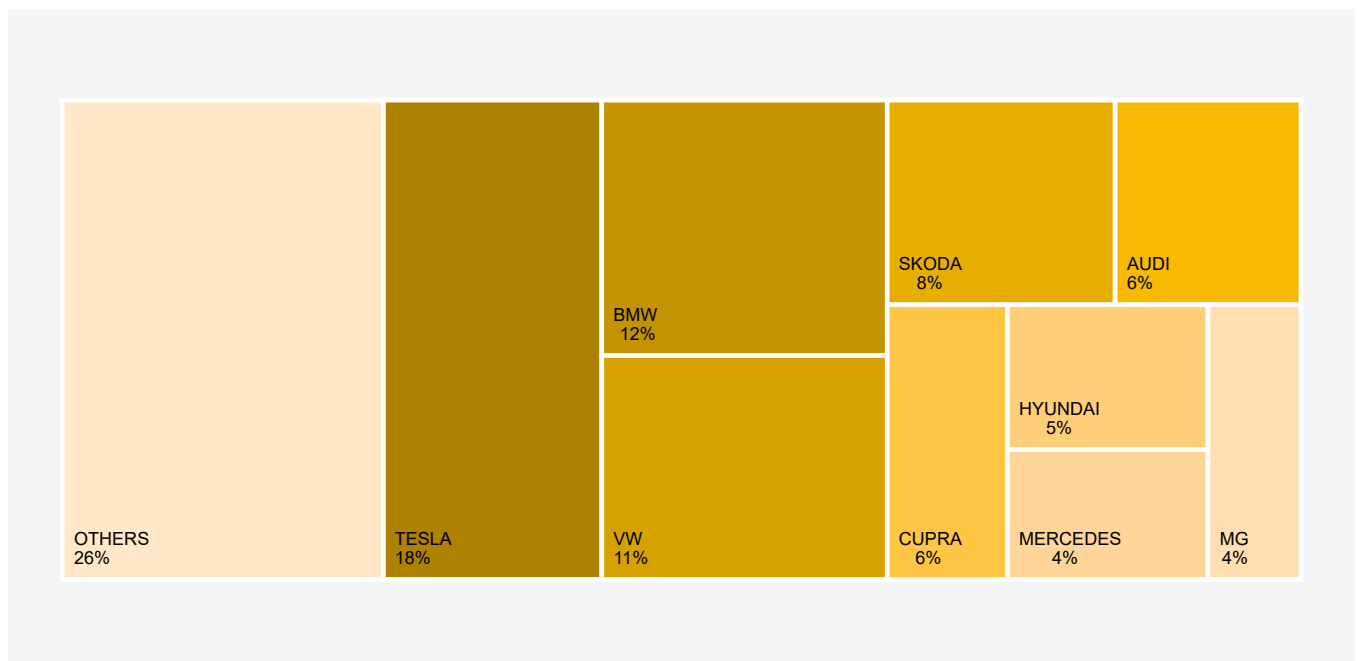
Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 31/01/2024

Best selling BEV passenger cars (M1) by model, 1st to 4th quarter 2023



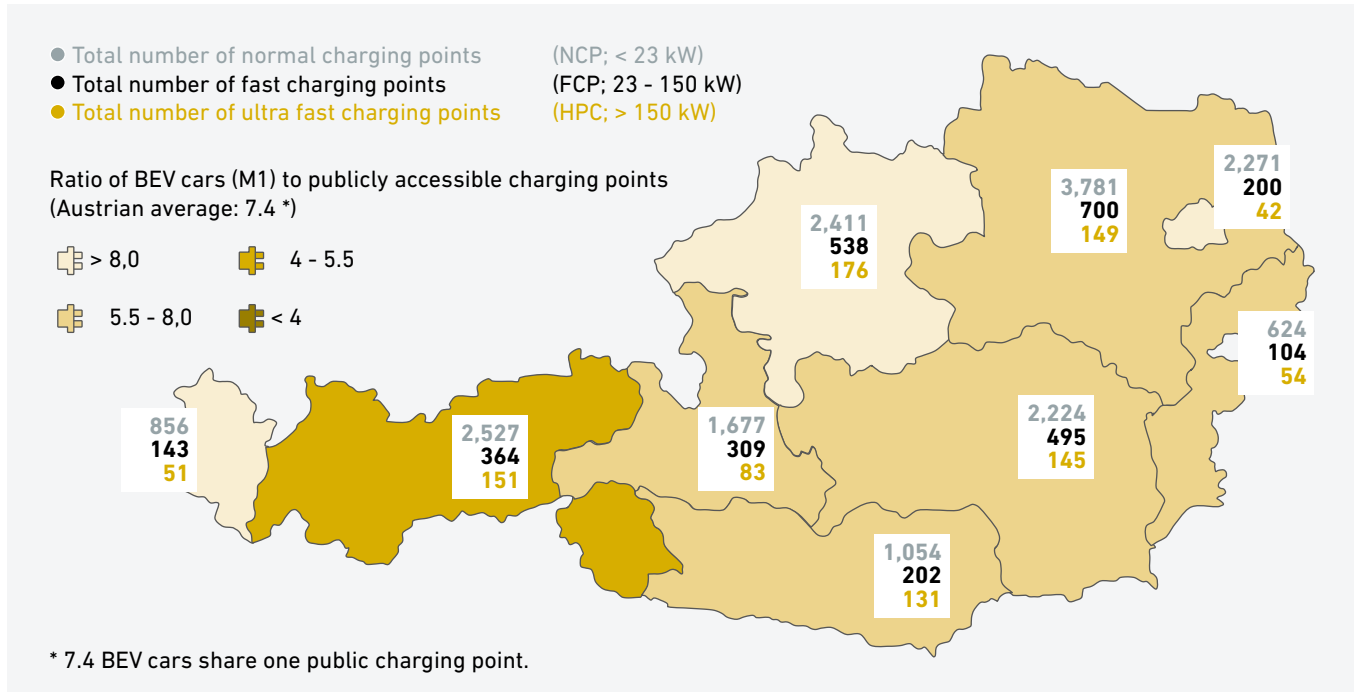
Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/12/2023

Best selling BEV passenger cars (M1) by brand, 1st to 4th quarter 2023



Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/12/2023

Publicly accessible charging points per federal state, January 2024

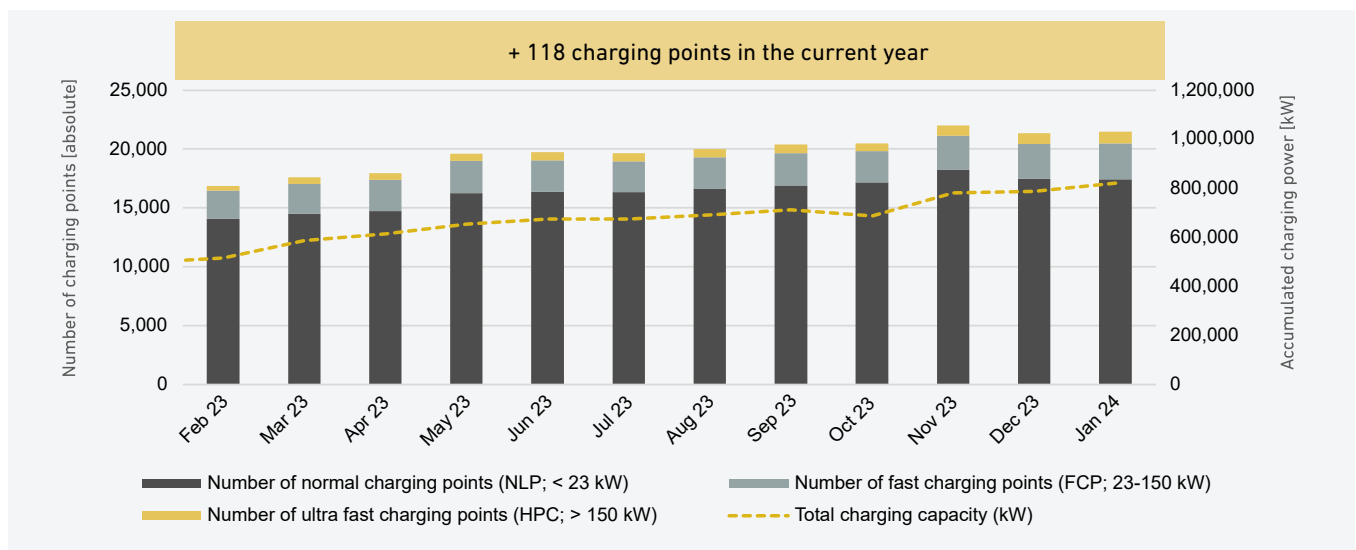


Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 01/02/2024

As of 1st **December 2023**, the Austrian charging network consists of 17,425 normal charging points, 3,055 fast charging points and 982 ultra fast charging points, leading **21,462 publicly accessible charging points** in total.

OLÉ - Austria's National Competence Center for E-Mobility supports the expansion of efficient charging infrastructure in public spaces by improving framework conditions and funding programs. OLÉ is committed to finding the right charging infrastructure for the respective charging scenario. To support the ramp-up, all forms of charging infrastructure (e.g. smart home and workplace charging points and high power charging points on main routes) are needed.

Publicly accessible charging points and total charging capacity per month, 2023-2024



Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 01/02/2024

Imprint



About

The monthly publication “E-Mobility in Austria Facts & Figures” is created by AustriaTech in its role as National Competence Center For E-Mobility (“OLÉ - Österreichs Leitstelle für Elektromobilität”) and offers a compact overview of recent developments in E-mobility.

You can find the current issue of the publication series “E-Mobility in Austria Facts & Figures” at www.austriatech.at/downloads as well as at www.austriatech.at/zahlen-daten-fakten-archiv

Contact

leitstelle-elektromobilitaet@austriatech.at
<https://bit.ly/OLELinkedIn>
www.austriatech.at/leitstelle-elektromobilitaet

Media owner and publisher:

AustriaTech – Gesellschaft des Bundes für technologiepolitische Maßnahmen GmbH
Raimundgasse 1/6, 1020 Vienna, Austria
FN 92873d, Handelsgericht Wien
UID number: ATU39393704
Status: January 2024
Tel: +43 1 26 4333 444
office@austriatech.at, www.austriatech.at

Copyright Coverphoto: AustriaTech/Shutterstock

AustriaTech is 100% owned by the Federal Republic of Austria. The tasks of the subsidiary are recognized by the Federal Ministry of Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK). All publications by AustriaTech consider gender-sensitive language.

Glossary

BEV:	Battery electric vehicle
FCEV:	Fuel cell electric vehicle
PHEV:	Plug-in-hybrid electric vehicle
BEV + PHEV + FCEV:	E-vehicles