

E-Mobility in Austria

Facts & Figures | April 2024



3,232
BEV cars (M1)
new registrations



225
BEV-LCV (N1)
new registrations



8
BEV-HGV (N2 + N3)
new registrations



22
BEV buses (M2 + M3)
new registrations

2030: 100% in new registrations

15 % BEV share of cars (M1) in new registrations
in April 2024



169,124
BEV cars (M1)
in operation



22,661
recharging 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 April 2024

In April, the team at OLE – Austria’s National Competence Center for E-Mobility, placed its primary focus on expanding charging infrastructure. Simultaneously, comprehensive analyses of figures, data, and current trends in e-mobility were conducted.

Recharging infrastructure for e-trucks

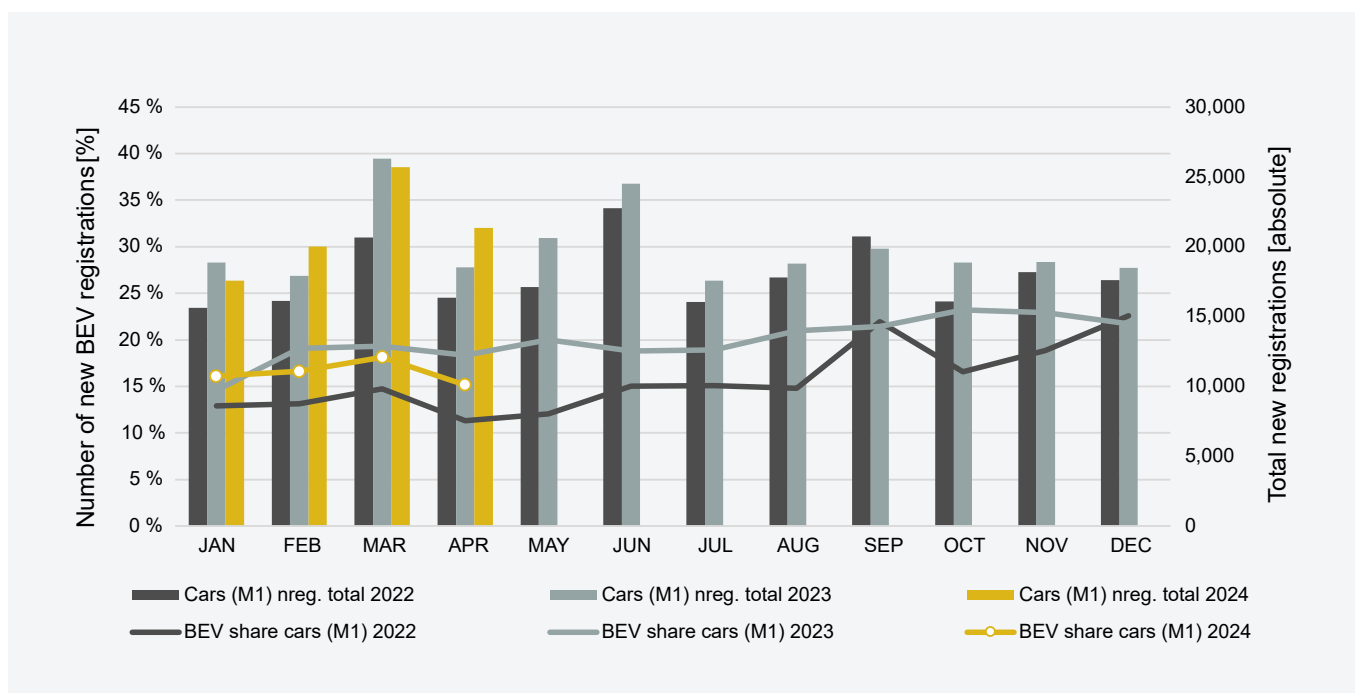
Austria’s public recharging network is expanding rapidly. To further drive this trend, OLE – Austria’s National Competence Center for E-Mobility, launched the matchmaking tool “Ladegrund” in April. This platform aims to effectively utilize limited

space for recharging infrastructure. At www.ladegrund.at, municipalities, businesses, and private individuals can register suitable properties and connect with potential investors. This significantly streamlines the site selection process and accelerates the deployment of recharging infrastructure in appropriate locations.

At a European level, a pivotal step was taken in April with the application of the AFIR (Alternative Fuels Infrastructure Regulation), setting a central milestone for the expansion of recharging infrastructure. Alongside clear targets regarding recharging infrastructure for electric mobility in road traffic, the regulation also includes binding objectives for aviation and maritime transport. This aims to drive a cross-sector transition to alternative propulsion systems.

Source & Data status: Ladegrund [s. a.]; Alternative Fuels Infrastructure Regulation [22/09/2023]

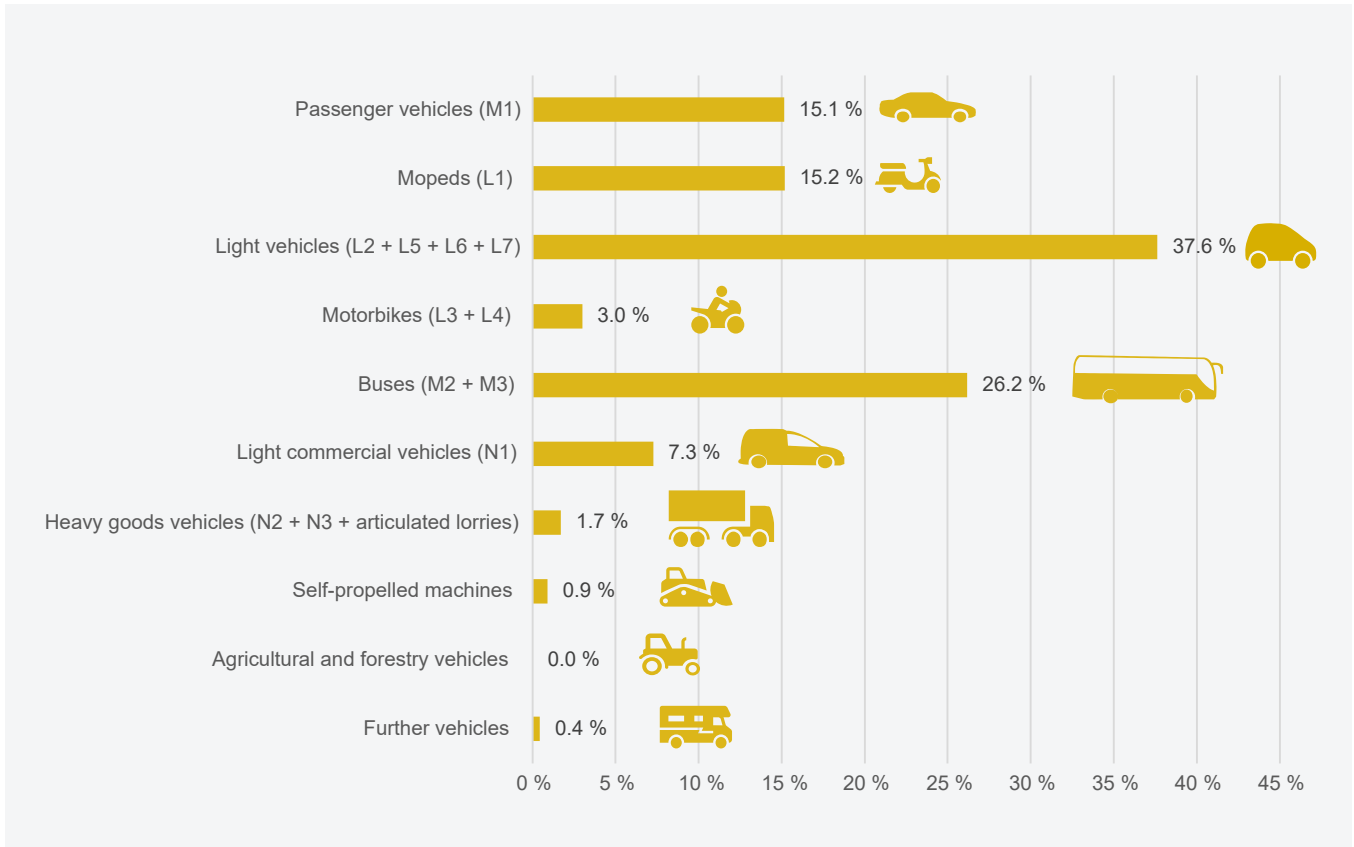
New registrations per month: BEV cars (M1), 2022-2024



Source: Statistics Austria; Illustration: AustriaTech; Data status: End of each month respectively 30/04/2024

Share of new registrations of BEV in selected vehicle classes

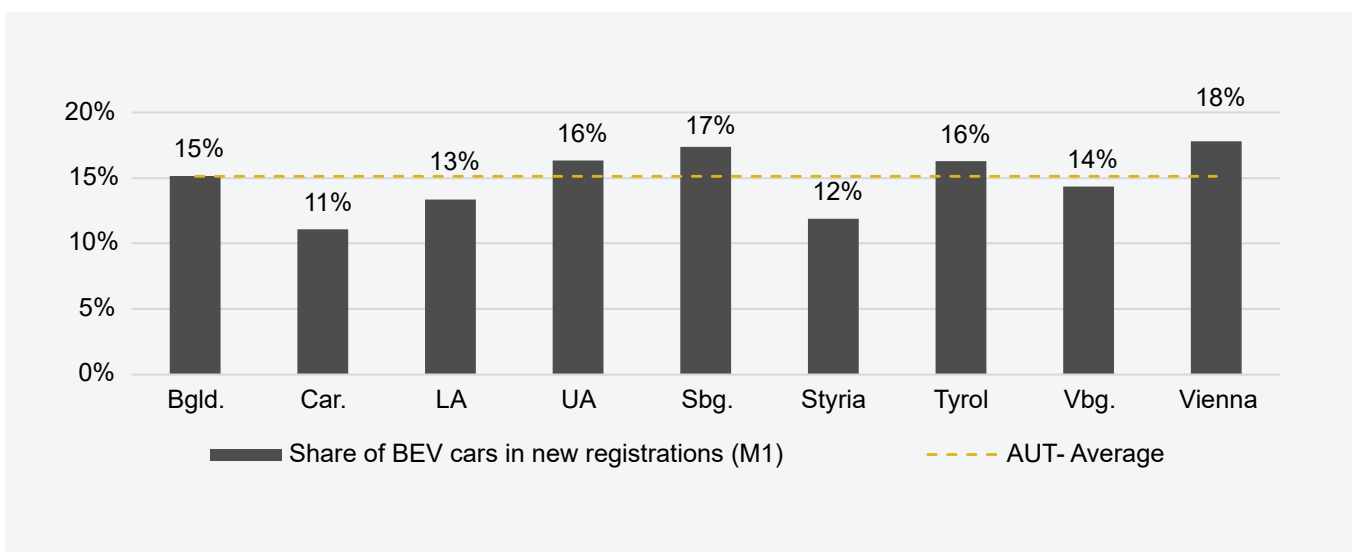
➤ BEV-LV (L2 + L5 + L6 + L7): 67



Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/04/2024

New registrations of BEV cars (M1) by federal state

➤ Top 3 in BEV cars (M1): Vienna 18 % Sbg. 17 % UA 16 %



Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/04/2024

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 Apr
Passenger vehicle class M1	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	239,150	84,600
Petrol incl. hybrids*	124,725	135,061	170,230	190,285	186,943	125,949	120,929	106,805	114,059	43,928
Diesel incl. hybrids*	180,340	188,989	175,501	141,119	130,423	98,757	70,782	60,735	60,493	21,002
Gas (CNG, LNG; mono- & bivalent)	703	486	435	642	580	407	86	63	11	11
Plug-in hybrid electric vehicle (PHEV)	1,101	1,237	1,721	2,258	2,156	7,641	14,626	13,268	16,956	5,625
Battery electric vehicle (BEV)	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	47,621	14,034
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 %	-4.07 %
BEV share of new registrations	0.54 %	1.16 %	1.54 %	1.98 %	2.81 %	6.42 %	13.91 %	15.89 %	19.91 %	16.59 %
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	1,862
Motorbikes/Tricycles/Quadracycles (class L)	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	3,087	1,147
Buses (classes M2 + M3)	12	22	6	17	22	14	11	26	58	28
Light commercial vehicles LCV (class N1; < 3.5 t)	267	449	237	446	500	739	2,341	2,067	3,265	687
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	0	0	0	1	0	0	36	43	29	7
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	2	0	2	14	14	20
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	3	0	0	0	1	16	17

* Hybrid electric drive not externally rechargeable

Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 30/04/2024

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 Apr
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	5,200,185
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	2,345,203
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	2,618,308
Gas (CNG, LNG; mono- & bivalent)	5,087	5,373	5,543	5,877	6,078	6,063	5,787	5,512	5,114	4,993
Plug-in hybrid electric vehicle (PHEV)	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	56,864	62,489
Battery electric vehicle (BEV)	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	155,490	169,124
Fuel cell electric vehicle (FCEV)	6	13	19	24	41	45	55	62	67	68
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 %	36.49 %
BEV share of vehicle stock	0.11 %	0.19 %	0.30 %	0.42 %	0.59 %	0.87 %	1.49 %	2.14 %	3.00 %	3.25 %
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	33,574
Motorbikes/Tricycles/Quadracycles (class L)	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	20,688	21,835
Buses (classes M2 + M3)	138	149	143	154	161	172	174	202	242	270
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	11,271
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	1	1	1	2	2	3	40	81	105	112
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	10	10	4	18	29	49
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	4	3	3	3	4	20	37

* Hybrid electric drive not externally rechargeable

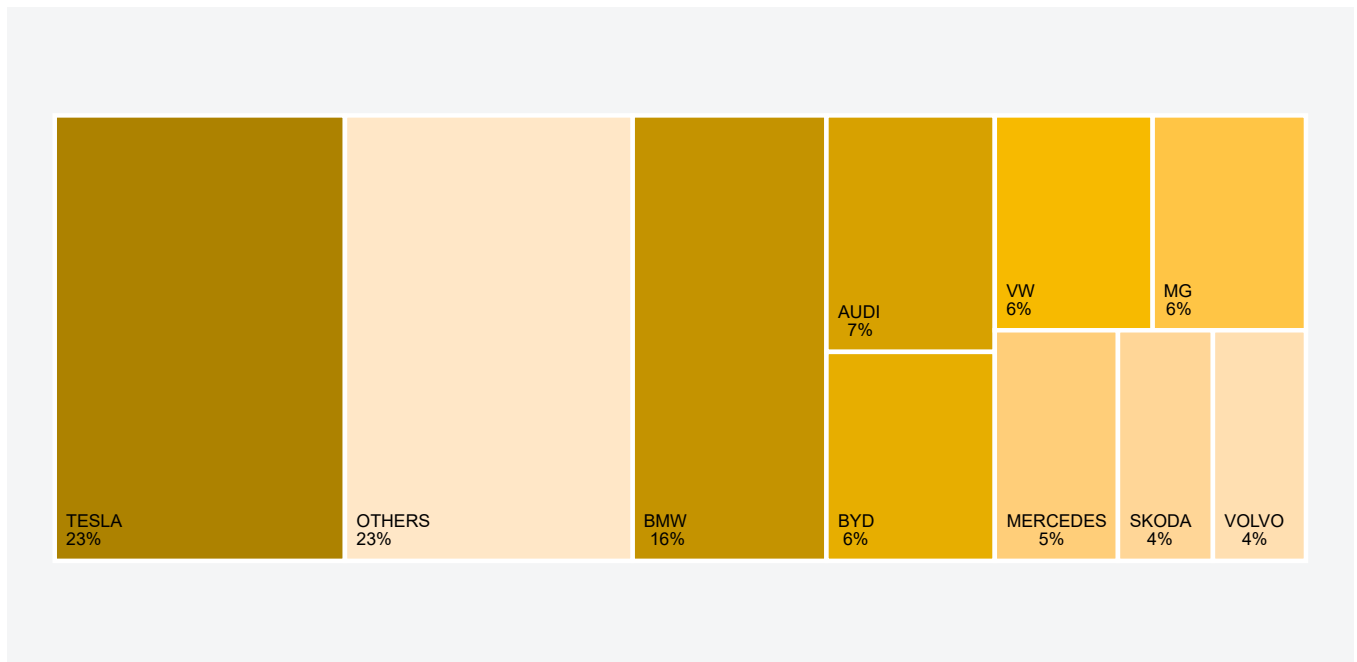
Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 30/04/2024; The 2024 population figures for PHEV (M1 and for " Further BEV of the classes L, M, N" were extrapolated on the basis of the old population (31.12.2023) and the cumulative new registrations of the current year.

Best selling BEV passenger cars (M1) by model, 1st quarter 2024



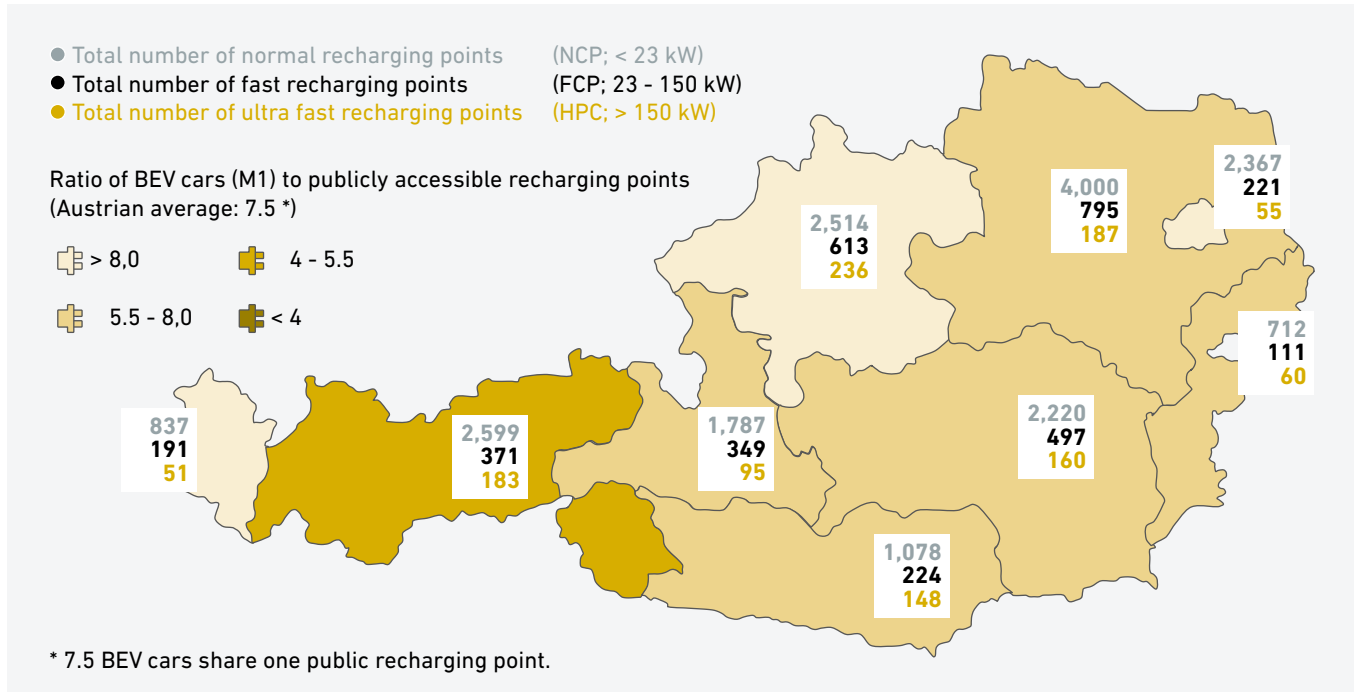
Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/03/2024

Best selling BEV passenger cars (M1) by brand, 1st quarter 2024



Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/03/2024

Publicly accessible recharging points per federal state, April 2024

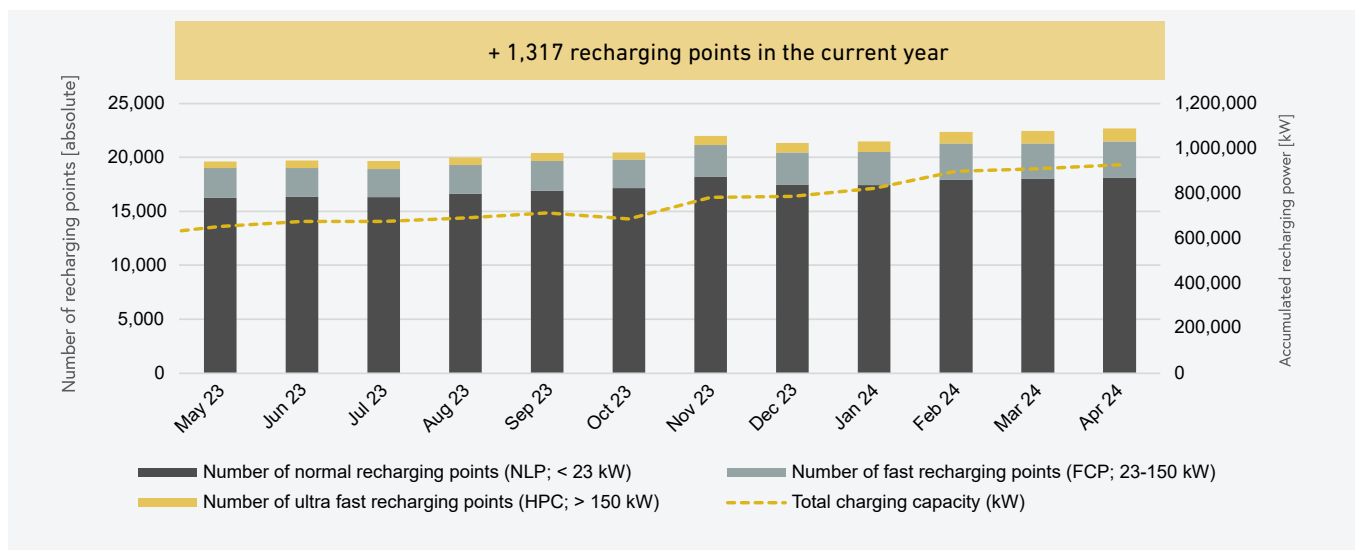


Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 06/05/2024

As of 6th **Mai 2024**, the Austrian recharging network consists of 18,114 normal recharging points, 3,372 fast recharging points and 1,175 ultra fast recharging points, amounting to **22,661 publicly accessible recharging points** in total.

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

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



Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 06/05/2024

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

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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: April 2024
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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