E-Mobility in Austria

Facts & Figures | February 2024

3,322
BEV cars (M1)
new registrations

127
BEV-LCV (N1)
new registrations

14
BEV-HGV (N2 + N3)
new registrations

1
BEV buses (M2 + M3)
new registrations

2030: 100% in new registrations

17 % BEV share of cars (M1) in new registrations in February 2024

0% 100%

161,563
BEV cars (M1)
in operation

22,374
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 February 2024

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

Recharging infrastructure for e-trucks

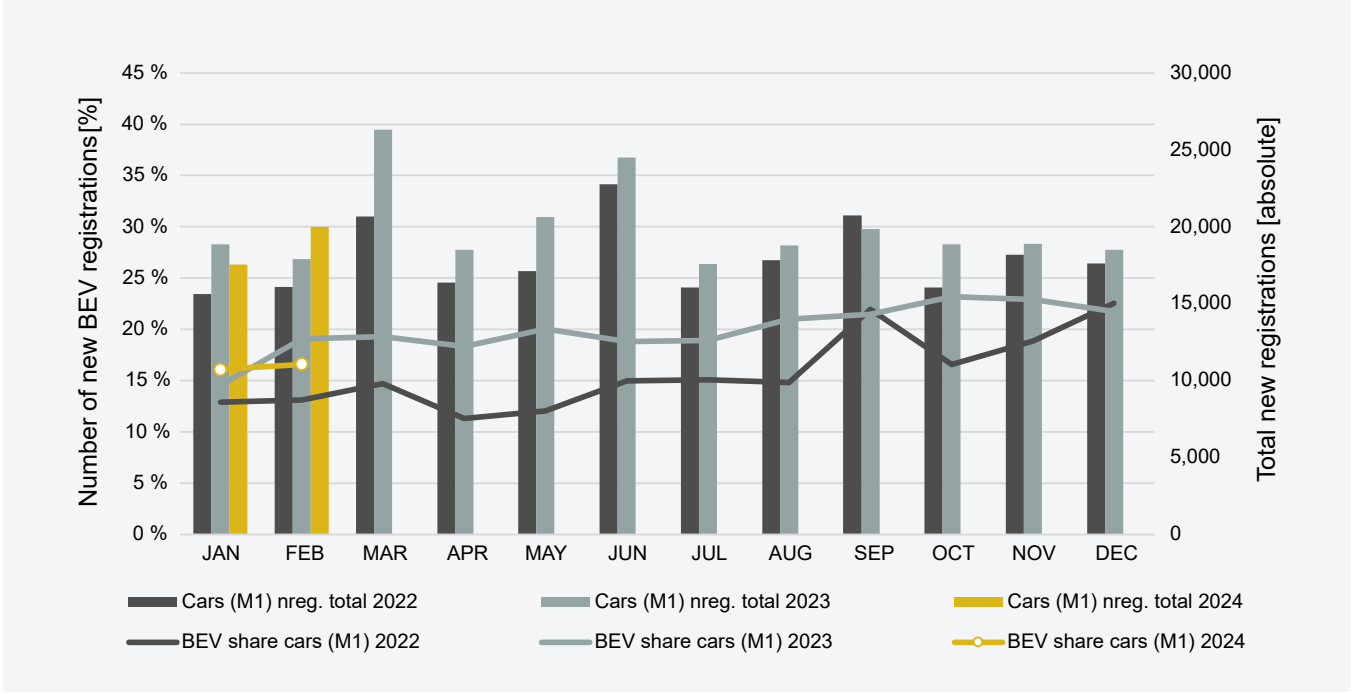
In February 2024, Austria reached an important milestone with the operation of 1,000 fast recharging points (HPC > 150 kW). The electrification of road transport is now facing the next major challenge: the expansion of the truck recharging infrastructure. The Alternative Fuels Infrastructure Regulation (AFIR) sets targets for the continuous expansion of recharging infrastructure in the EU member states. However,the industial and logistics sector show that the demand for high-power recharging points for heavy-duty vehicles will grow rapidly.

In February, the first pan-European symposium on the Megawatt Charging Standard (MCS) was held in in Berlin. MSC will play an important role in transit traffic. There are also promising developments along the highways in Austria. At the "Rest Area of the Future" in Roggendorf, fast and overnight recharging points for heavy duty vehicles and buses have been installed on a large scale for the first time.

OLÉ - Austria's National Competence Center for E-mobility took part in both events and will step up its activities for truck recharging needs in the coming quarters.

Source & Data status: E-Control, data cleansing by AustriaTech [04/03/2024]; Fraunhofer ISI [07/03/2024]; ASFINAG [01/03/2024]

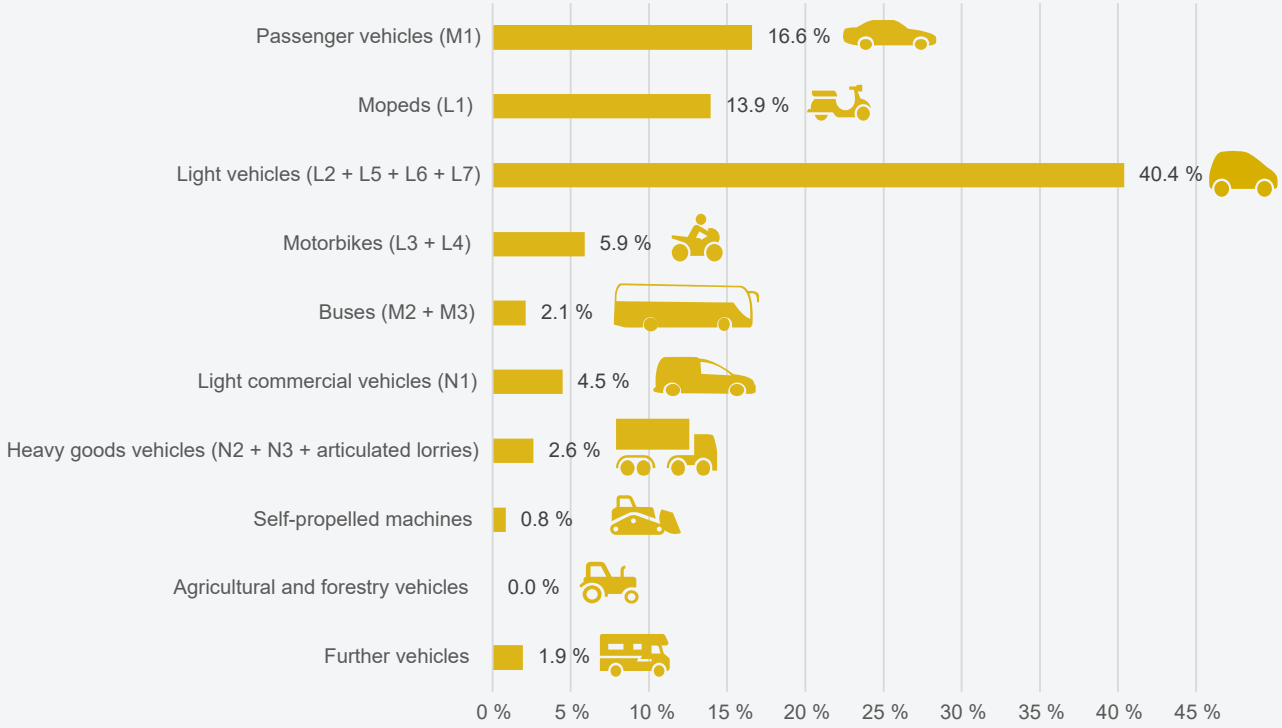
New registrations per month: BEV cars (M1), 2022-2024



Source: Statistics Austria; Illustration: AustriaTech; Data status: End of each month respectively 29/02/2024

Share of new registrations of BEV in selected vehicle classes

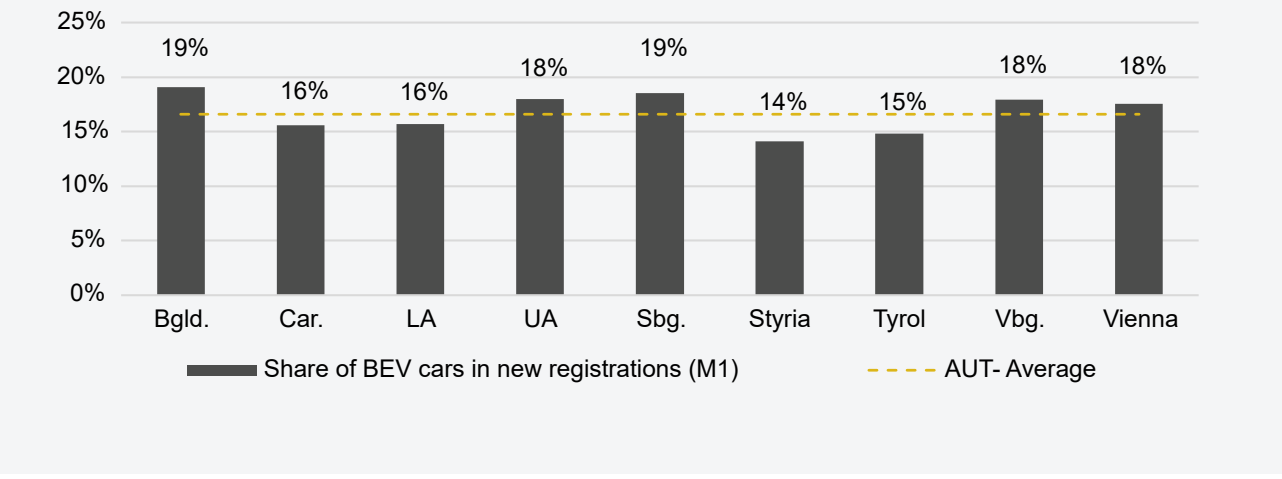
↗ BEV-LV (L2 + L5 + L6 + L7): 40



Source: Statistik Austria; Illustration: AustriaTech; Data status: 29/02/2024

New registrations of BEV cars (M1) by federal state

↗ Top 3 in BEV cars (M1): Bgld. 19 % Sbg. 19 % UA 18 %



Source: Statistik Austria; Illustration: AustriaTech; Data status: 29/02/2024

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 Feb
Passenger vehicle class M1	**308,555**	**329,604**	**353,320**	**341,068**	**329,363**	**248,740**	**239,803**	**215,050**	**239,150**	**37,562**
Petrol incl. hybrids*	124,725	135,061	170,230	190,285	186,943	125,949	120,929	106,805	114,059	19,019
Diesel incl. hybrids*	180,340	188,989	175,501	141,119	130,423	98,757	70,782	60,735	60,493	9,590
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	2,804
Battery electric vehicle (BEV)	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	47,621	6,145
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 %	-0.24 %
BEV share of new registrations	0.54 %	1.16 %	1.54 %	1.98 %	2.81 %	6.42 %	13.91 %	15.89 %	19.91 %	16.36 %
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**	**650**
Motorbikes/Tricycles/Quadricycles (class L)	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	3,087	319
Buses (classes M2 + M3)	12	22	6	17	22	14	11	26	58	6
Light commercial vehicles LCV (class N1; < 3.5 t)	267	449	237	446	500	739	2,341	2,067	3,265	325
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	0	0	0	1	0	0	36	43	29	5
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	2	0	2	14	14	14
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	3	0	0	0	1	16	5

** Hybrid electric drive not externally rechargeable*

Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 29/02/2024

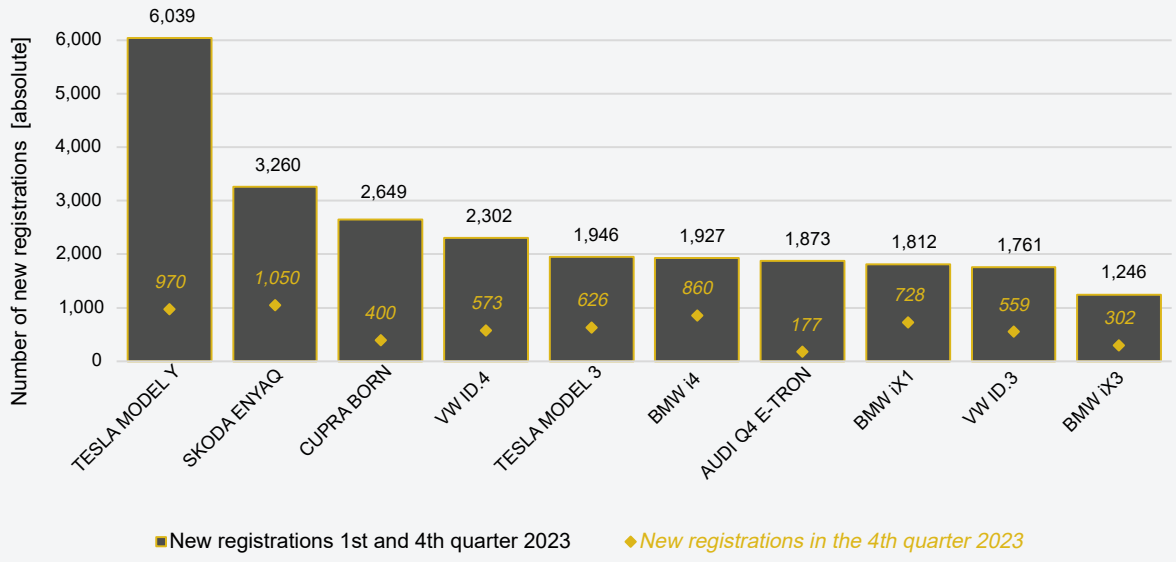
Vehicle population per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Feb
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**	**5,186,937**
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	2,334,384
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	2,626,203
Gas (CNG, LNG; mono- & bivalent)	5,087	5,373	5,543	5,877	6,078	6,063	5,787	5,512	5,114	5,051
Plug-in hybrid electric vehicle (PHEV)	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	56,864	59,668
Battery electric vehicle (BEV)	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	155,490	161,563
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 %	39.41 %
BEV share of vehicle stock	0.11 %	0.19 %	0.30 %	0.42 %	0.59 %	0.87 %	1.49 %	2.14 %	3.00 %	3.11 %
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**	**32,342**
Motorbikes/Tricycles/Quadricycles (class L)	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	20,688	21,007
Buses (classes M2 + M3)	138	149	143	154	161	172	174	202	242	248
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	10,909
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	1	1	1	2	2	3	40	81	105	110
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	10	10	4	18	29	43
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	4	3	3	3	4	20	25

** Hybrid electric drive not externally rechargeable*

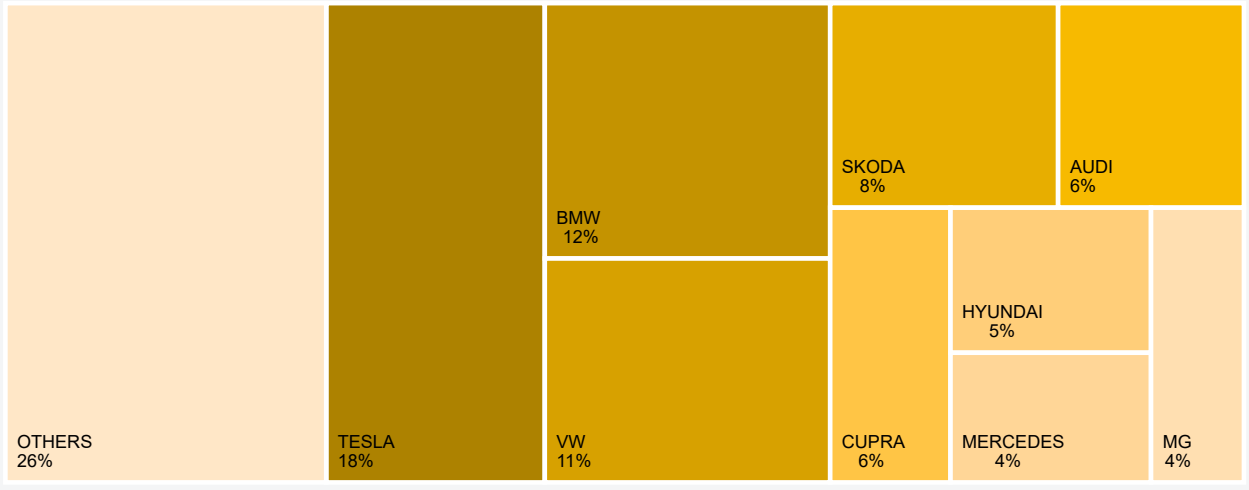
Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 29/02/2024; The 2024 population figures for PHEV (M1 and for " Further BEV of the classes L, M, N" were extrapolated on the basis of the old population (31.12.2023) and the cumulative new registrations of the current year.

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



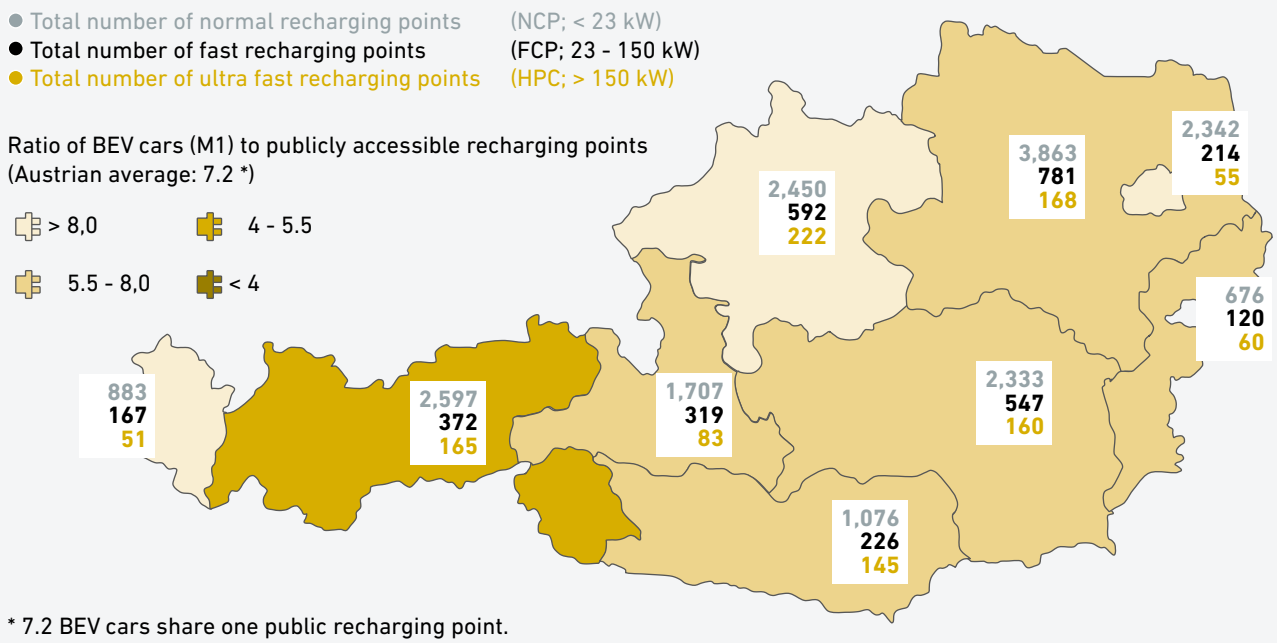
Source: Statistik Austria; Illustration: AustriaTech; Data status: 31/12/2023

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 recharging points per federal state, February 2024

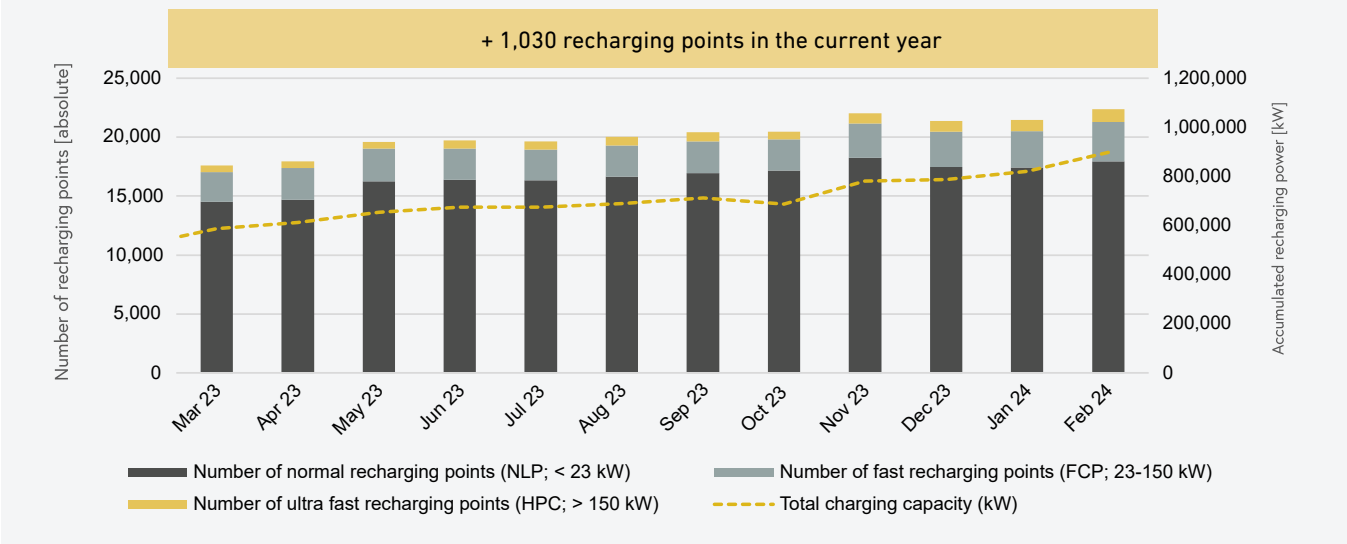


Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 04/03/2024

As of 4th **March 2023**, the Austrian recharging network consists of 17,927 normal recharging points, 3,338 fast recharging points and 1,109 ultra fast recharging points, leading **22,374 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: 04/03/2024

Imprint

About

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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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Glossary

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