

E-Mobility in Austria

Facts & Figures | June 2024



4,696
BEV cars (M1)
new registrations



772
BEV-LCV (N1)
new registrations



15
BEV-HGV (N2 + N3)
new registrations



6
BEV buses (M2 + M3)
new registrations

2030: 100% in new registrations

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



177,004
BEV cars (M1)
in operation



24,009
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 June 2024

June was marked by significant milestones and exciting developments in the field of electromobility. OLE – Austria’s National Competence Center for E-Mobility continuously monitors the data and provides monthly assessments.

Step by step towards an electrified future

June saw the second highest total number of new BEV registrations (M1) ever recorded in a single month. However, this extreme value was not only recorded for BEVs, but also for total new car registrations, which returned to pre-COVID levels. After a slight year-on-year decline in new registrations in

during the first half of the year, an upward trend is forecast for the second half.

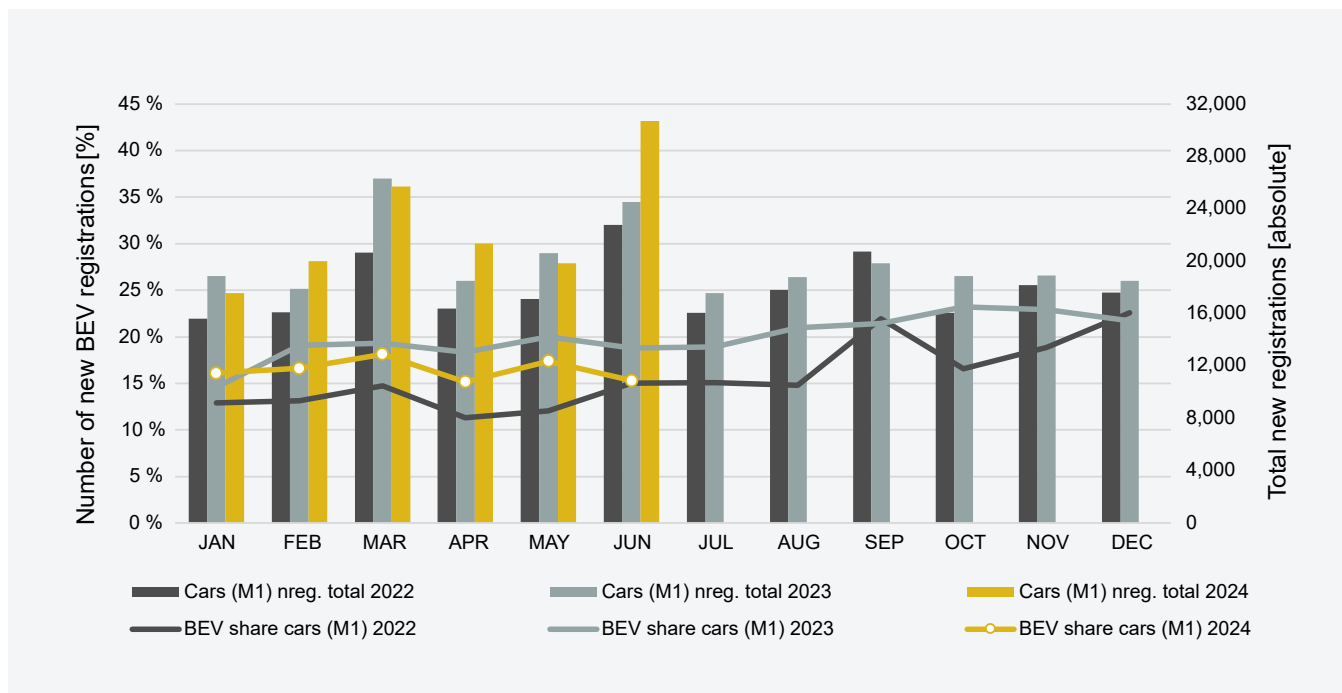
There are also some encouraging milestones to report in terms of public recharging infrastructure. As of June, Austria now has a connected load of one gigawatt. In Meggenhofen alone, 34 HPC chargers (up to 400 kilowatts) were connected in June. Three operators now offer around 60 HPC charging points with a total capacity of 21 megawatts (gross) at the location.

June was thus another important month for the electrification of the transport sector, which continues to be closely monitored by OLE – Austria’s National Competence Center for E-Mobility.

HPC: High Power Charging resp. Ultra Fast Recharging

Source & Data status: Statistik Austria [2024]; E-Control, data cleansing by AustriaTech [01/07/2024]

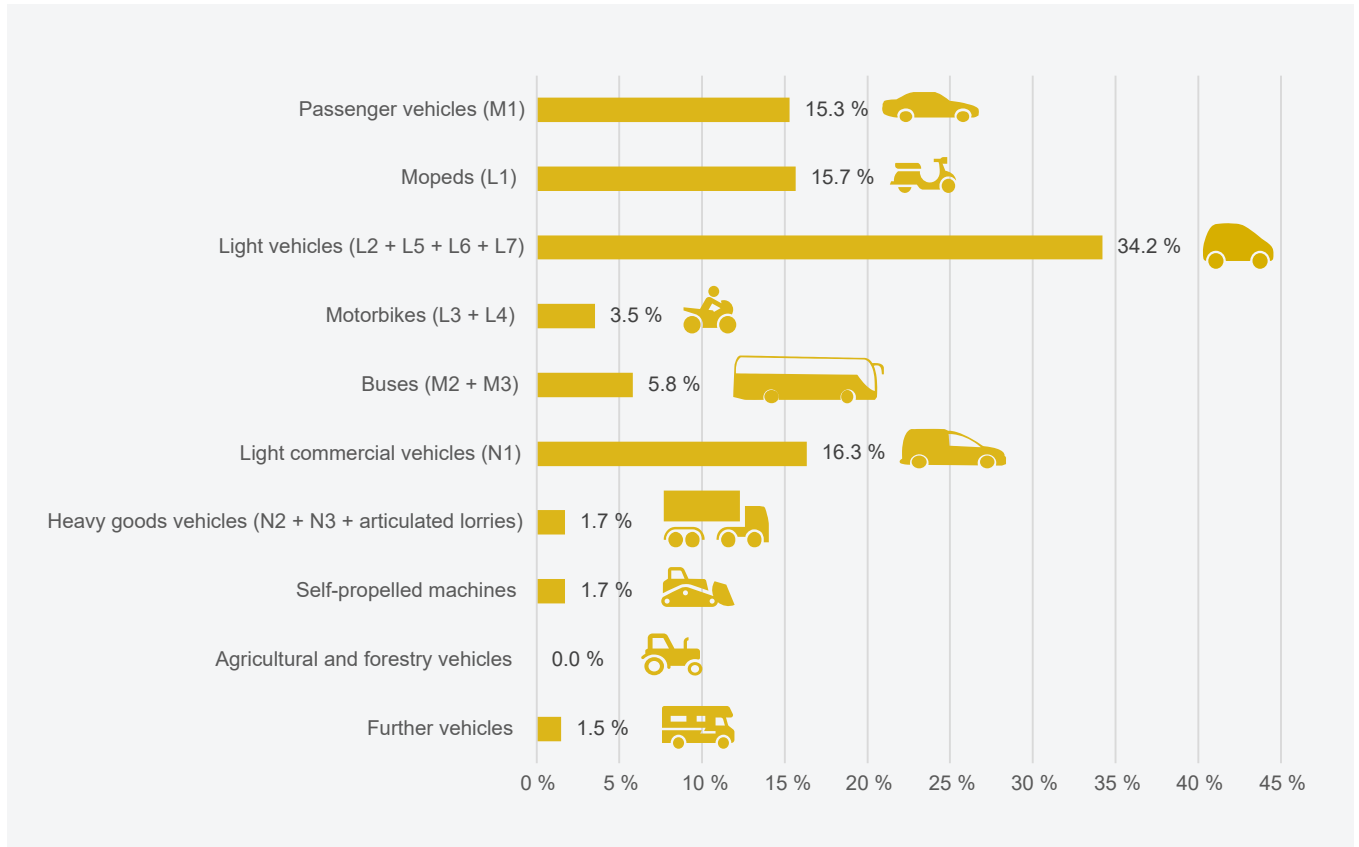
New registrations per month: BEV cars (M1), 2022-2024



Source: Statistics Austria; Illustration: AustriaTech; Data status: End of each month respectively 30/06/2024

Share of new registrations of BEV in selected vehicle classes

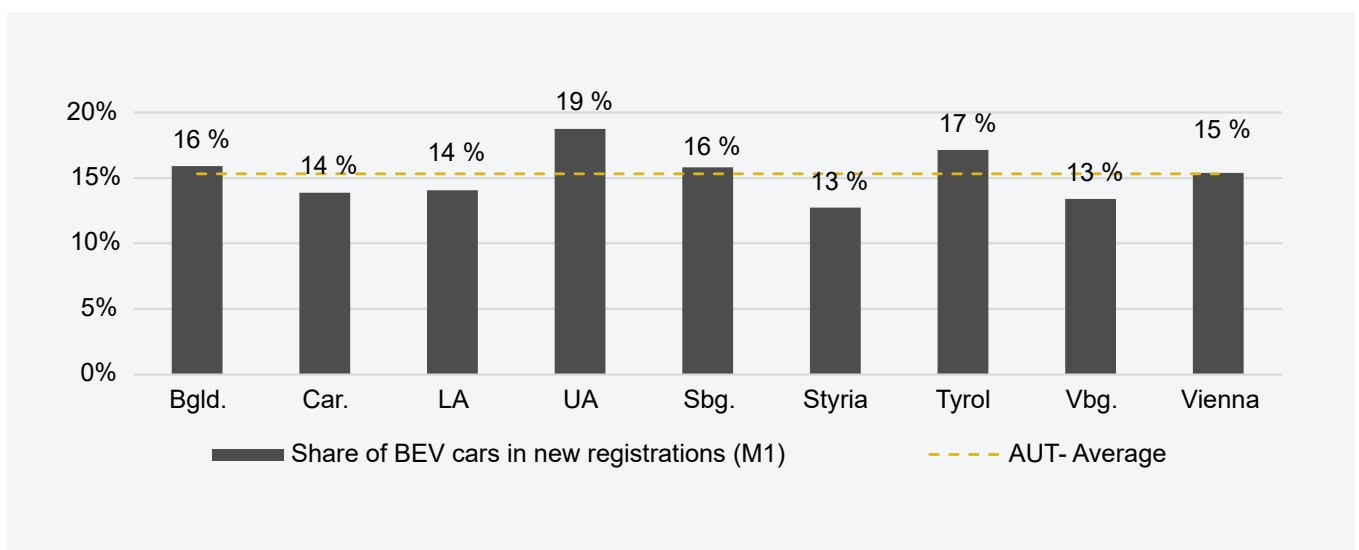
➤ BEV-LV (L2 + L5 + L6 + L7): 53



Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/06/2024

New registrations of BEV cars (M1) by federal state

➤ Top 3 in BEV cars (M1): UA 19 % Tyrol 17 % Bgld. 16 %



Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/06/2024

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 Jun
Passenger vehicle class M1	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	239,150	135,113
Petrol incl. hybrids*	124,725	135,061	170,230	190,285	186,943	125,949	120,929	106,805	114,059	71,073
Diesel incl. hybrids*	180,340	188,989	175,501	141,119	130,423	98,757	70,782	60,735	60,493	33,155
Gas (CNG, LNG; mono- & bivalent)	703	486	435	642	580	407	86	63	11	12
Plug-in hybrid electric vehicle (PHEV)	1,101	1,237	1,721	2,258	2,156	7,641	14,626	13,268	16,956	8,695
Battery electric vehicle (BEV)	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	47,621	22,178
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 %	-5.11 %
BEV share of new registrations	0.54 %	1.16 %	1.54 %	1.98 %	2.81 %	6.42 %	13.91 %	15.89 %	19.91 %	16.41 %
Further BEV of the classes L, M, N	930	1,949	1,911	2,727	3,141	3,558	6,155	6,486	6,469	3,604
Motorbikes/Tricycles/Quadracycles (class L)	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	3,087	1,875
Buses (classes M2 + M3)	12	22	6	17	22	14	11	26	58	44
Light commercial vehicles LCV (class N1; < 3.5 t)	267	449	237	446	500	739	2,341	2,067	3,265	1,600
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	0	0	0	1	0	0	36	43	29	21
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	2	0	2	14	14	39
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	3	0	0	0	1	16	25

* Hybrid electric drive not externally rechargeable

Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 30/06/2024

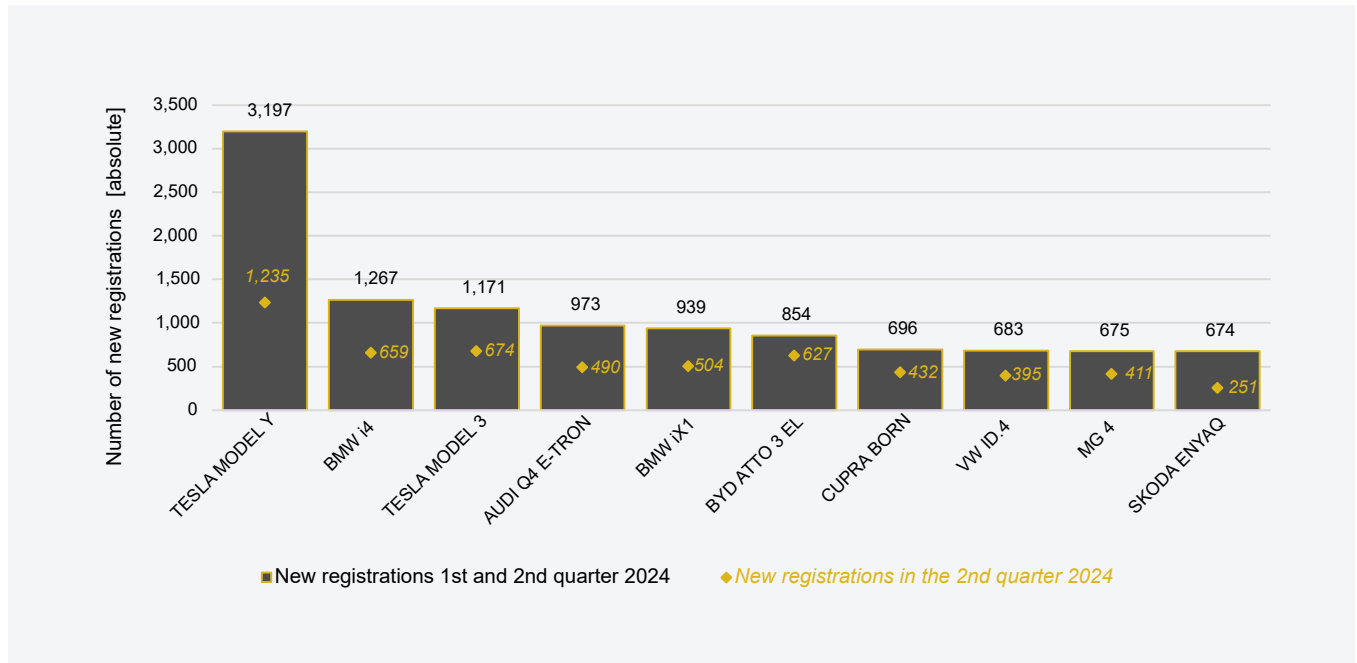
Vehicle population per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Jun
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	5,220,014
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	2,358,574
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	2,613,906
Gas (CNG, LNG; mono- & bivalent)	5,087	5,373	5,543	5,877	6,078	6,063	5,787	5,512	5,114	4,907
Plug-in hybrid electric vehicle (PHEV)	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	56,864	65,559
Battery electric vehicle (BEV)	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	155,490	177,004
Fuel cell electric vehicle (FCEV)	6	13	19	24	41	45	55	62	67	64
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 %	33.62 %
BEV share of vehicle stock	0.11 %	0.19 %	0.30 %	0.42 %	0.59 %	0.87 %	1.49 %	2.14 %	3.00 %	3.39 %
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	35,272
Motorbikes/Tricycles/Quadracycles (class L)	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	20,688	22,563
Buses (classes M2 + M3)	138	149	143	154	161	172	174	202	242	286
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	12,184
Heavy goods vehicles HGV (class N2; 3.5 t < x ≤ 12.0 t)	1	1	1	2	2	3	40	81	105	126
Heavy goods vehicles HGV (class N3; > 12.0t)	0	0	0	9	10	10	4	18	29	68
Articulated lorries classes (class N1 + N2 + N3)	0	0	1	4	3	3	3	4	20	45

* Hybrid electric drive not externally rechargeable

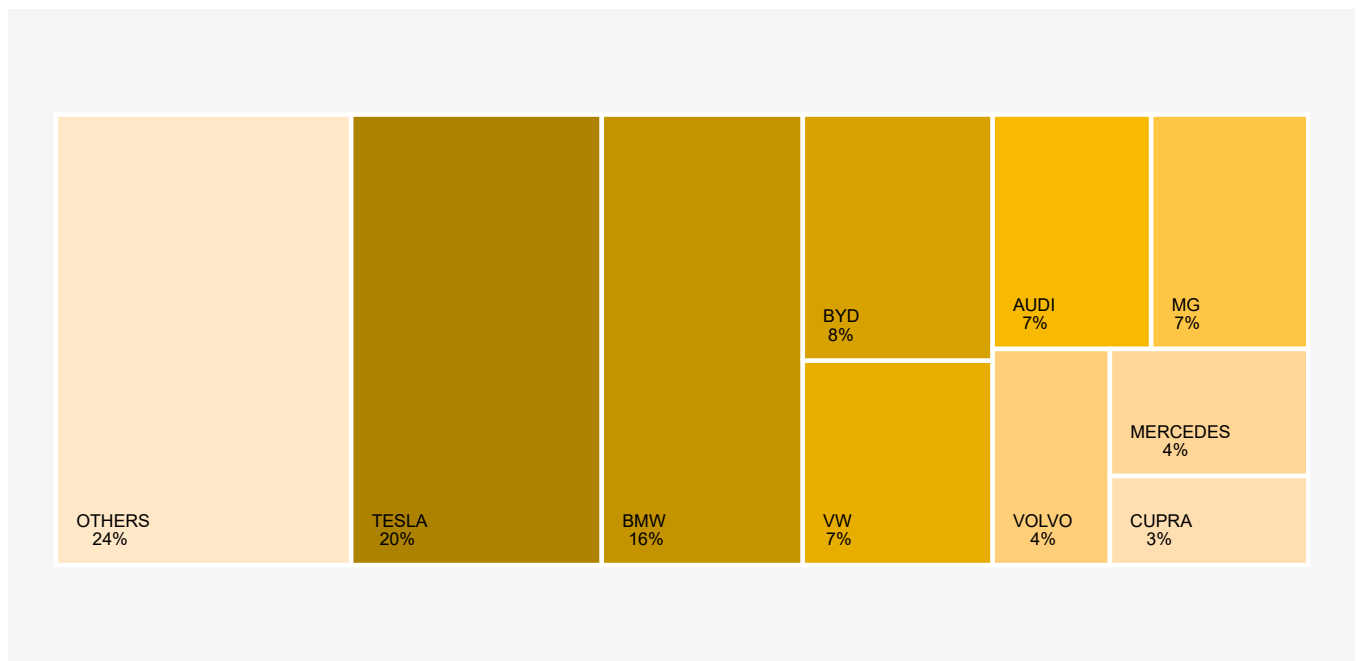
Source: Statistics Austria; Illustration: AustriaTech; Data status: 31/12 of the corresponding year respectively 30/06/2024; The 2024 population figures for PHEV (M1) and for " Further BEV of the classes L, M, N" were extrapolated on the basis of the old population (31.12.2023) and the cumulative new registrations of the current year.

Best selling BEV passenger cars (M1) by model, 1st and 2nd quarter 2024



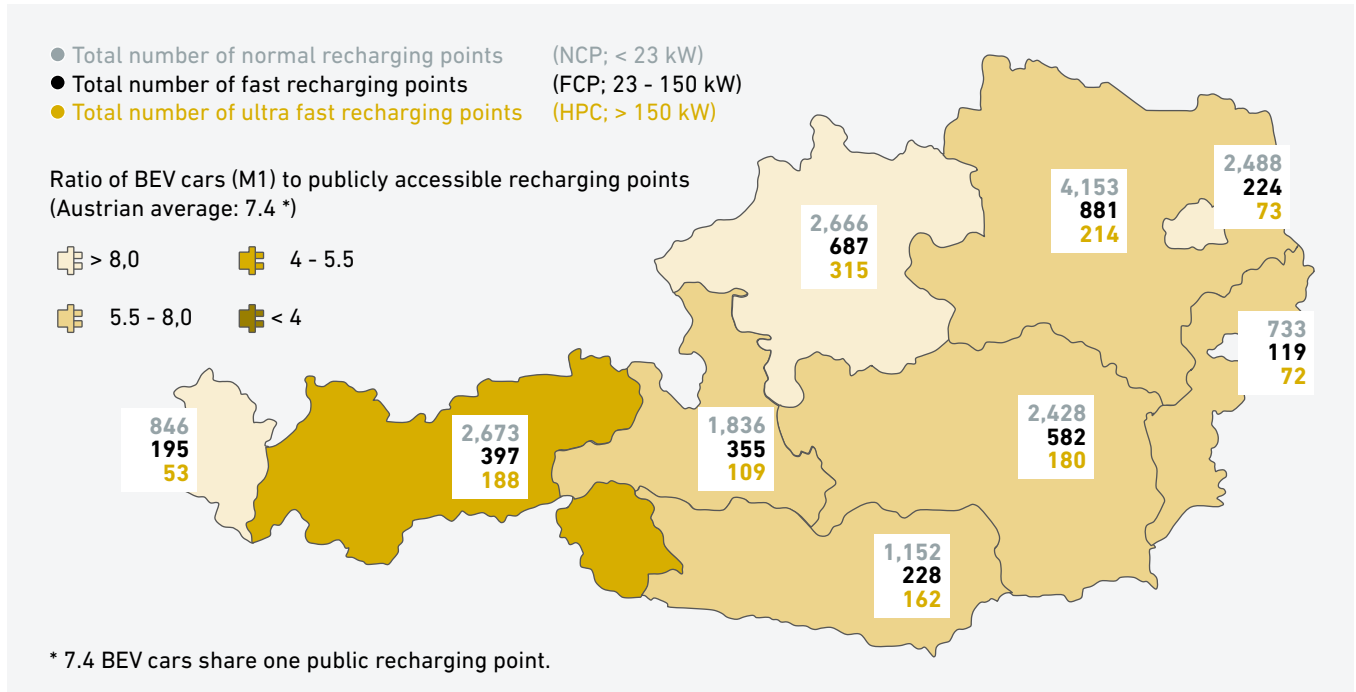
Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/06/2024

Best selling BEV passenger cars (M1) by brand, 1st and 2nd quarter 2024



Source: Statistik Austria; Illustration: AustriaTech; Data status: 30/06/2024

Publicly accessible recharging points per federal state, June 2024

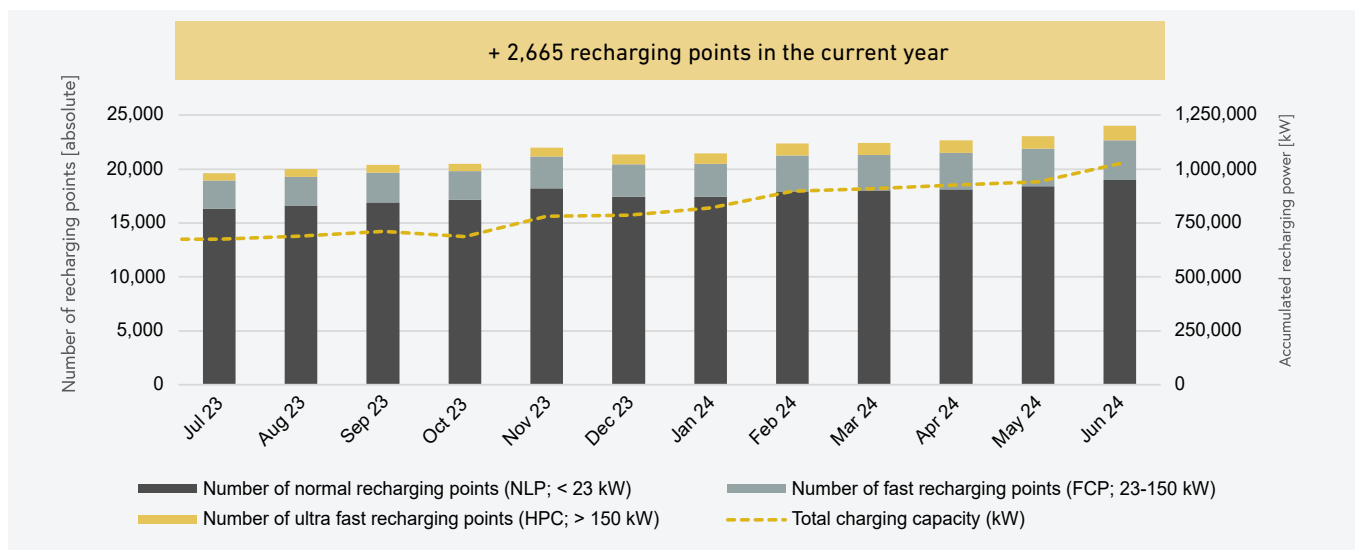


Source: E-Control, data cleansing by AustriaTech; Illustration: AustriaTech; Data status: 01/07/2024

As of 1st July 2024, the Austrian recharging network consists of 18,975 normal recharging points, 3,668 fast recharging points and 1,366 ultra fast recharging points, amounting to **24,009 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: 01/07/2024

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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Glossary

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