

E-Mobility in Austria

Facts & Figures | September 2023



4,256
BEV cars (M1)
new registrations



278
BEV-LCV (N1)
new registrations



7
BEV-HGV (N2 + N3)
new registrations



1
BEV buses (M2 + M3)
new registrations

2030: 100% in new registrations

21% BEV share of cars (M1) in new registrations
in September 2023



143,791
BEV cars (M1)
in operation



20,404
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 September 2023**

September entailed several milestones for electromobility, as well as many new exciting developments. OLÉ – Austria’s National Competence Center for E-mobility is constantly monitoring figures and data and provides a monthly assessment of key developments.

EU’s electrifying strategies and published AFIR!

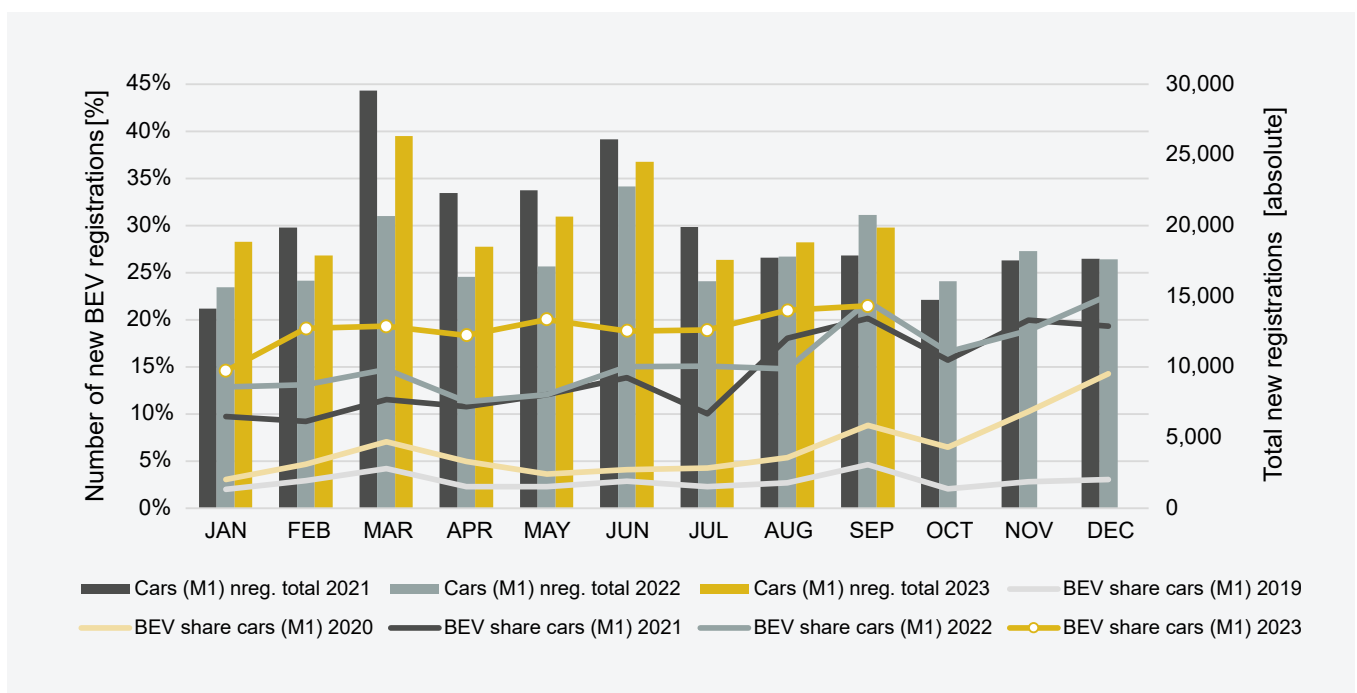
On September 22nd, the European Union has published the new regulation for the deployment of alternative fuels infrastructure (AFIR). The regulation includes EU-wide binding targets for the infrastructure development in e-mobility.

In Austria, efforts to expand the charging infrastructure for electric vehicles are underway, with an increase in the number of charging points, their charging capacity, and improvements in ease of use and price transparency (kWh billing). The EU-wide legal framework of AFIR presents new opportunities for cooperation with neighbouring countries. OLÉ – Austria’s National Competence Center for E-Mobility will play a central role in the coordination process.

In the field of support systems, France is providing interesting impetus. From January 2024, the government plans to link the environmental bonus for electric cars to criteria such as weight, origin and environmental impact along the vehicle’s entire manufacturing chain. Italy could follow this example.

Source: Official Journal of the European Union, Electrive.net [09/2023], Electrive.net [10/2023]

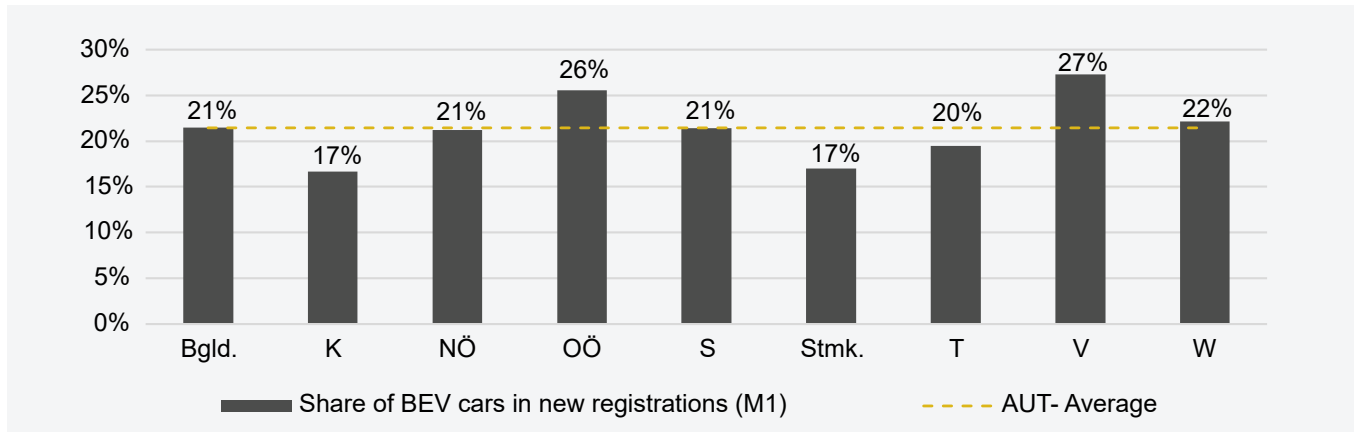
New registrations per month: BEV cars (M1), 2019-2023



Source: Statistics Austria; Data status: End of each month respectively 30/09/2023; Illustration: AustriaTech

New registrations of BEV cars in September 2023

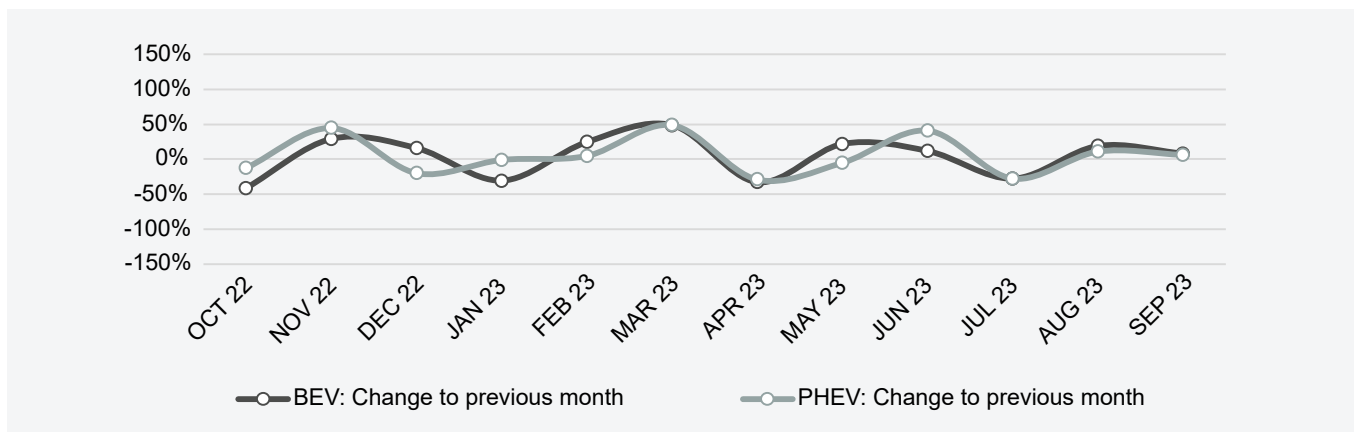
➤ Top 3 in BEV cars (M1): V 27% OÖ 26% W 22%



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

Trend in new e-vehicle registrations, monthly comparison

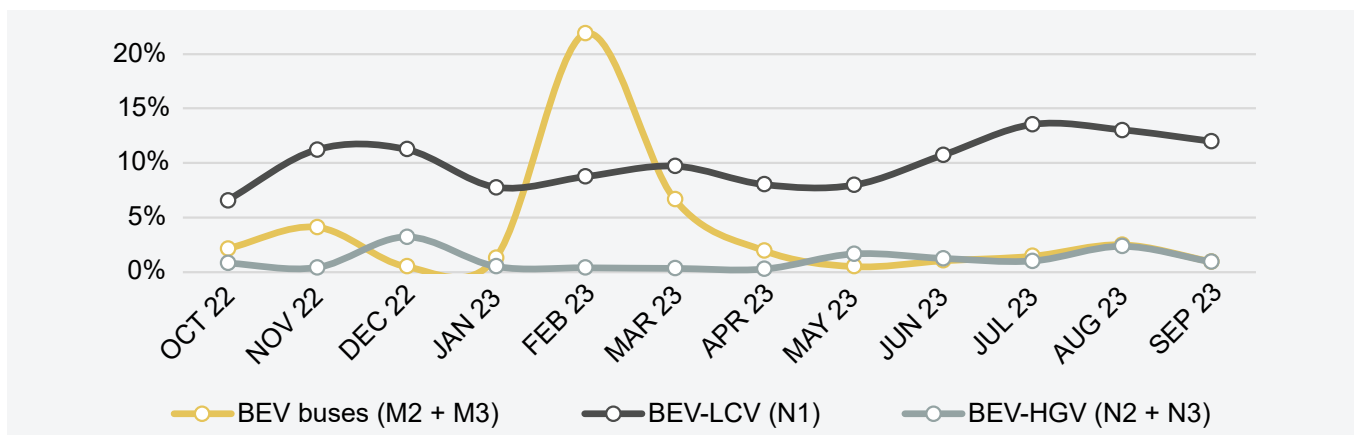
➤ BEV: +8% to previous month / PHEV: +6% to p.m.



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

New registrations by categories of commercial BEV

➤ BEV-LCV (N1): 278 / BEV-HGV (N2 + N3): 7



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 Sep
Passenger vehicle class M1	303,318	308,555	329,604	353,320	341,068	329,363	248,740	239,803	215,050	182,886
Petrol incl. hybrids*	128,339	124,725	135,061	170,230	190,655	186,943	125,949	120,929	106,805	87,901
Diesel incl. hybrids*	172,471	180,340	188,989	175,501	141,119	130,423	98,757	70,782	60,735	46,986
Gas (CNG, LNG; mono- & bivalent)	790	703	486	435	642	580	407	86	63	10
Plug-in hybrid electric vehicle (PHEV)	434	1,101	1,237	1,721	1,888	2,156	7,641	14,626	13,268	13,085
Battery electric vehicle (BEV)	1,281	1,677	3,826	5,433	6,757	9,242	15,972	33,366	34,165	34,894
Fuel cell electric vehicle (FCEV)	3	9	5	0	7	19	14	14	14	10
BEV registrations: Change compared to previous year	95.87%	30.91%	128.15%	42.00%	24.37%	36.78%	72.82%	108.90%	2.39%	44.76%
BEV share of new registrations	0.42%	0.54%	1.16%	1.54%	1.98%	2.81%	6.42%	13.91%	15.89%	19.08%
Further BEV of the classes L, M, N	876	930	1,949	1,910	2,724	3,141	3,558	6,155	6,485	5,060
Motorbikes/Tricycles/Quadracycles (class L)	672	651	1,478	1,667	2,251	2,617	2,805	3,765	4,335	2,591
Buses (classes M2 + M3)	1	12	22	6	17	22	14	11	26	20
Light commercial vehicles LCV (class N1; < 3.5 t)	203	267	449	237	446	500	739	2,341	2,067	2,416
Heavy goods vehicles HGV (classes N2 + N3; > 3.5 t)	0	0	0	0	10	2	0	38	57	33

* Hybride ohne externe Lademöglichkeit

Source: Statistics Austria; Data status: 31/12 of the corresponding year respectively 30/09/2023; Illustration: AustriaTech

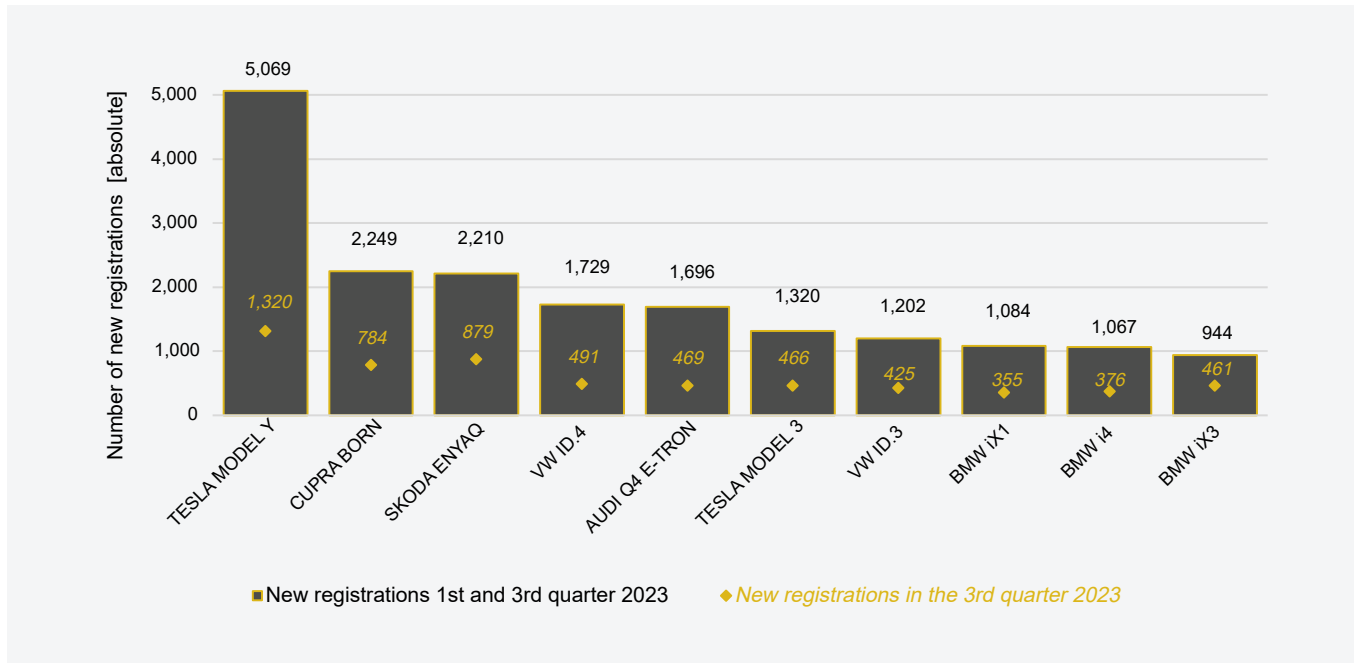
Vehicle population per year by vehicle type, fuel type or power source

Vehicle types, fuel types or energy source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 Sep
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	5,184,867
Petrol incl. hybrids*	2,022,609	2,032,461	2,054,541	2,102,712	2,167,858	2,217,132	2,250,050	2,278,751	2,303,486	2,328,224
Diesel incl. hybrids*	2,663,605	2,703,950	2,750,270	2,771,738	2,778,552	2,778,732	2,775,925	2,743,683	2,690,025	2,652,909
Gas (CNG, LNG; mono- & bivalent)	4,542	5,087	5,373	5,543	5,877	6,078	6,063	5,787	5,512	5,253
Plug-in hybrid electric vehicle (PHEV)	776	1,512	2,287	3,948	5,710	8,042	15,237	29,021	41,580	54,623
Battery electric vehicle (BEV)	3,386	5,032	9,073	14,618	20,831	29,523	44,507	76,539	110,225	143,791
Fuel cell electric vehicle (FCEV)	3	6	13	19	24	41	45	55	62	67
BEV vehicle stock: Change compared to previous year	63.57%	48.61%	80.31%	61.12%	42.50%	41.73%	50.75%	71.97%	44.01%	42.61%
BEV share of vehicle stock	0.07%	0.11%	0.19%	0.30%	0.42%	0.59%	0.87%	1.49%	2.14%	2.77%
Further BEV of the classes L, M, N	6,067	6,532	7,524	8,912	10,920	13,311	16,080	21,561	26,504	31,564
Motorbikes/Tricycles/Quadracycles (class L)	5,116	5,324	5,907	7,057	8,614	10,533	12,565	15,716	18,621	21,212
Buses (classes M2 + M3)	131	138	149	143	154	161	172	174	202	222
Light commercial vehicles LCV (class N1; < 3.5 t)	819	1,069	1,467	1,711	2,141	2,605	3,330	5,627	7,582	9,998
Heavy goods vehicles HGV (classes N2 + N3; > 3.5 t)	1	1	1	1	11	12	13	44	99	132

* Hybride ohne externe Lademöglichkeit

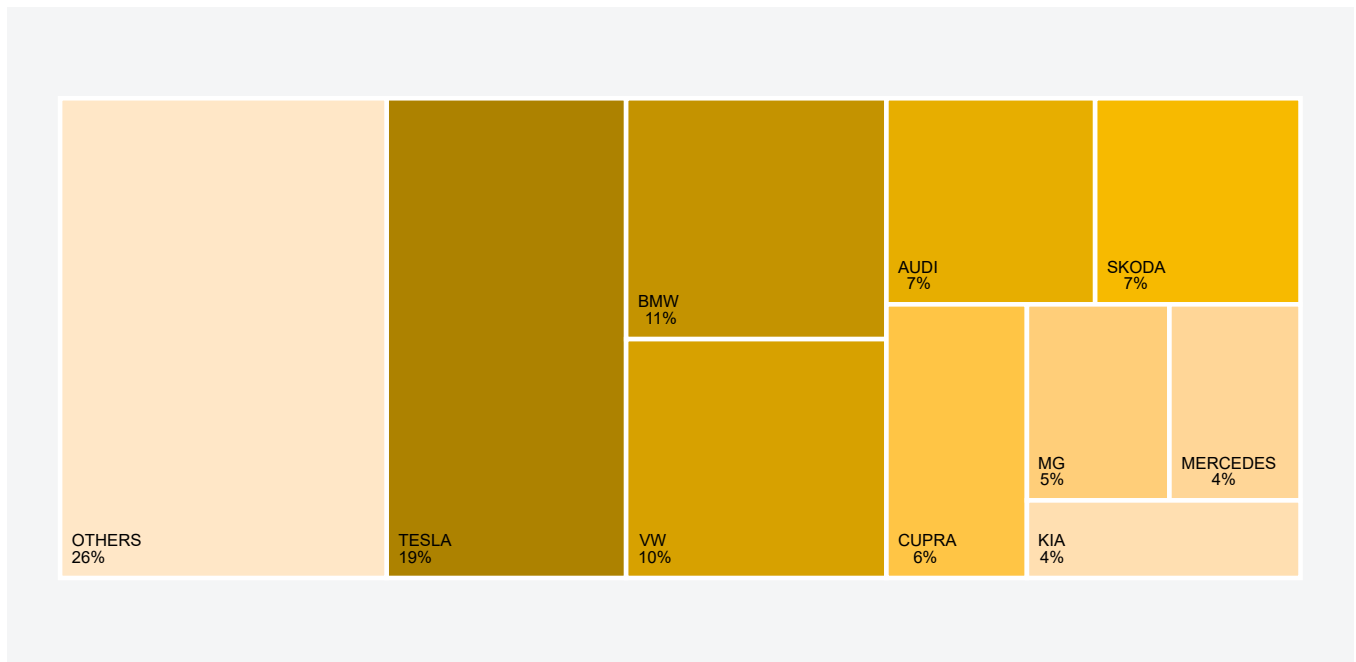
Source: Statistics Austria; Data status: 31/12 of the corresponding year respectively 30/09/2023; the 2023 population figures for PHEV (M1) and for "Further BEV of the classes L, M, N" were calculated on the basis of the old population (31/12/2022) and the cumulative new registrations of the current 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 BEV passenger cars (M1) by model, 1st to 3rd quarter 2023



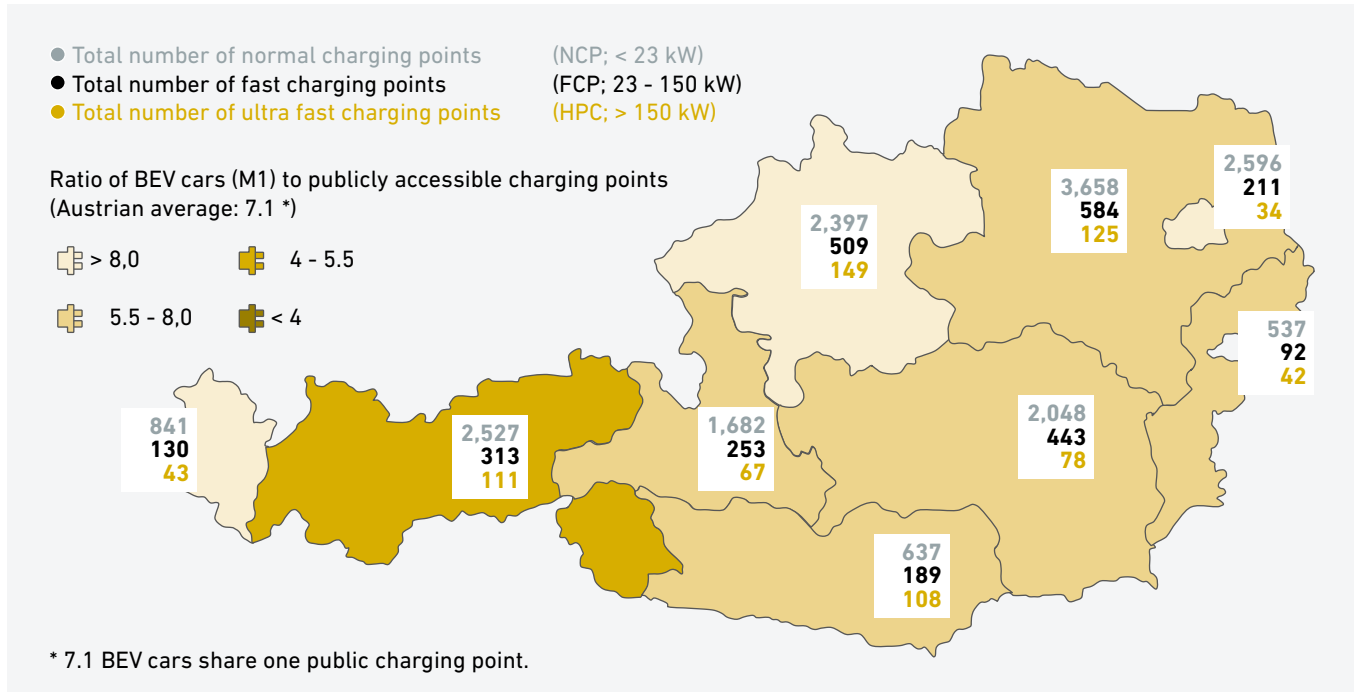
Source: Statistik Austria; Data status: 30/09/2023, Illustration: AustriaTech

Best selling BEV passenger cars (M1) by brand, 1st to 3rd quarter 2023



Source: Statistik Austria; Data status: 30/09/2023, Illustration: AustriaTech

Publicly accessible charging points per federal state, September 2023*

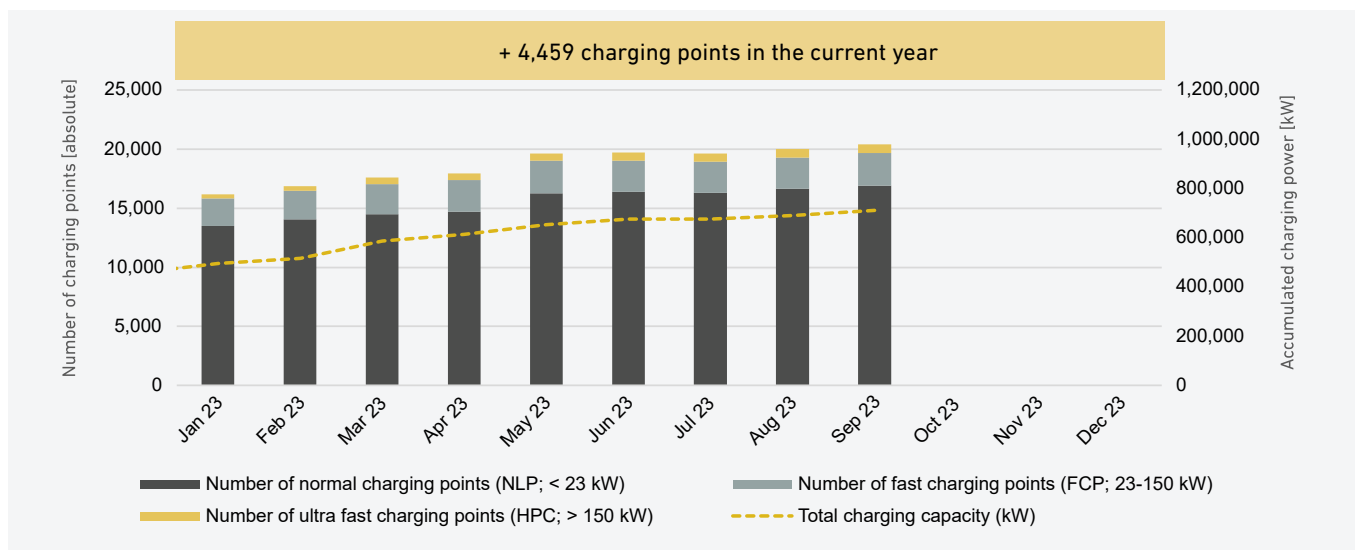


Source: E-Control; Data status: 02/10/2023, Illustration: AustriaTech

As of 2nd **October 2023**, the Austrian charging network consists of 16,923 normal charging points, 2,724 fast charging points and 757 ultra fast charging points, leading **20,404 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*



Source: E-Control; Data status: end of the respective month, Illustration: AustriaTech

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
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 FN 92873d, Handelsgericht Wien
 UID number: ATU39393704
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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