Warsaw electric vehicle market

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As of the end of 2023, there were a total of 56,934 fully electric vehicles (BEV) registered in Poland. The number of publicly accessible charging points increased by more than a third, totaling to 1513. The number of used BEV listed for sale saw a 2.5 times increase in 2023. The Polish EV Outlook Index (PEVO Index) is a monthly compilation of key data and statistics from the e-mobility sector in Poland.

By the end of 2023, Poland’s fleet of passenger, delivery, and heavy-duty electric cars numbered 56,934 units. The BEV passenger car park comprised 51,125 units (+68% YoY) and saw 1707 new vehicle registrations in December 2023, recording an increase of 39% YoY. A significant increase was also noted in the segment of fully electric delivery and heavy-duty vehicles, whose fleet increased to 5809 units (+89% YoY). In 2023, BEVs constituted 3.6% of the new private car market. The most popular, newly registered BEV passenger models in December 2023 were the Tesla Model Y (288 units sold), Tesla Model 3 (131 units) and Mazda MX-30 (68 units). At the forefront of brands were Tesla, Mercedes-Benz, and BMW.

The infrastructure sector also noted a significant increase within the last 12 months. In 2023, the number of available charging points increased by 1513, totaling to 5933 (+37% YoY). Chargers of up to 22 kW held a 66% share of Poland’s charging infrastructure network. However, the number of fast DC stations exceeding 50 kW has been growing dynamically. By the end of 2023, EV drivers in Poland could use 575 such devices. Warsaw topped the list of cities with the most developed infrastructure for zero-emission vehicles (590 points in December 2023), followed by Gda?sk (265), Szczecin (220), Pozna? (199), and Krak?w (194).

The “Polish EV Outlook” is the most important comprehensive analysis of the zero-emission transportation market in Poland. Launched 5 years ago, PSPA’s report provides a detailed overview of the electric car market, charging infrastructure, EV buyer structure, legislative changes, and e-mobility’s impact on the energy sector. The “PEVO Index” is a monthly version of the “Polish EV Outlook,” including constantly updated key data presented in a concise, infographics format.

Data for the “PEVO Index” are supplied by PSPA, IBRM Samar, and OTOMOTO.

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As of June 2024, Poland"s electric vehicle (EV) market is demonstrating robust growth and increased infrastructure development, according to the latest data from the Polish EV Outlook Index (PEVO Index). This monthly report provides key statistics and insights into the e-mobility sector in Poland, revealing significant progress in electric vehicle adoption, charging infrastructure, and the secondary market for

zero-emission vehicles.

At the end of June 2024, Poland"s fleet of battery electric vehicles (BEVs) for passenger, delivery, and heavy-duty vehicles totaled 68,792 units. This marks a substantial increase, with the passenger BEV fleet alone growing to 61,976 vehicles, a 54% rise compared to the previous year. In June 2024, there were 1,809 new BEV registrations, reflecting a 17% year-over-year increase. The fleet of fully electric delivery and heavy-duty vehicles also expanded to 6,816 units, a 57% year-over-year growth. Additionally, the fleet of hydrogen passenger vehicles (FCEV) reached 230 units, up 20% from the previous year.

Leading the brand rankings were Tesla, Mercedes-Benz, and Volkswagen, with BEVs accounting for 4.2% of the new passenger car market share in June 2024.

Poland"s public charging infrastructure has also seen significant growth. By the end of June 2024, there were 7,255 public charging points, a 41% increase from the previous year. This includes 5,154 AC charging points (up 32% year-over-year) and 2,101 DC charging points (up 66% year-over-year). The majority of the charging infrastructure comprises chargers with a power output of up to 22 kW (62%), but the number of fast DC stations with power exceeding 50 kW is rapidly increasing, with 971 such devices available by the end of June 2024.

The cities with the most developed charging infrastructure include:

The number of charging points along the TEN-T network reached 764 by the end of June 2024, representing a 26% increase from the previous year.

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