

6-K UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 6-K REPORT OFFOREIGN PRIVATE ISSUER PURSUANT TO SECTION 13A-16 OR15D-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934 For the month of November 2024 Commission File Number: 001-40865 Wallbox N.V. (Translation of registrant's name into English) Carrer delFoc, 68 Barcelona, Spain 08038 Tel: +34 930 181 668 (Address of principal executive office) Indicate bycheck mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F. Form 20-F Form 40-F EXPLANATORY NOTE On November 6, 2024, Wallbox N.V. (the Company or Wallbox) released information regarding its results of operations for the three months ended September 30, 2024. A copy of the Company's press release and presentation materials are furnished hereto as Exhibits 99.1 and 99.2, respectively. WALLBOX N.V. THIRD QUARTER 2024 FINANCIAL RESULTS Third Quarter 2024 Highlights For the third quarter of 2024, the Company had revenue of €34.7 million, gross margin of 23% and operating loss of €33.7 million. The Company sold approximately 169 DC units and 38,600 AC units in the quarter. Labor costs and other operating expenses were €31.9 million, and capital expenses were €1.7 million. As of September 30, 2024, the Company had inventory of €76.5 million. As of September 30, 2024, the Company had approximately €70.5 million of cash, cash equivalents and financial investments and approximately €84 million of long-term debt. AC and DC chargers sales and software, services and other services and products represented approximately 68% and 13% and 19% of our global consolidated revenue, respectively. During the three months ended September 30, 2024, revenues by geography and as a percentage of total revenues were as follows: Europe €22.9 million / 66% North America €9.7 million / 28% Asia Pacific €1.2 million / 4% Latin America €0.8 million / 2% Definitions and Basis of Presentation Gross Margin is defined as revenue less changes in inventory, raw materials and other consumables used divided by revenue. Long-term debt includes assumed debt from recent acquisitions and other additional facilities. Operating loss consists of the Company's revenue and other income less changes in inventories and raw materials and consumables used, employee benefits, other operating expenses, impairment of goodwill, and amortization and depreciation. BOARD AND COMMITTEE COMPOSITION On November 5, 2024, Carl Anders Wilhelm Pettersson tendered his resignation as a chairman and non-executive director of the Board of Directors (the Board) of the Company and the Board's Compensation Committee, in each case, effective as of 8 a.m., Central European Time, November 6, 2024. Mr. Pettersson's resignation is for personal reasons and there are no disagreements between Mr. Pettersson and the Company. His departure is not related to the operations, policies or practices of the Company or any issues regarding accounting policies or practices. Effective on November 6, 2024, upon recommendation of the Board's Nominating and Corporate Governance Committee, the Board: (a) resolved not to replace the resigned non-executive directors of the Board and therefore, in accordance with the Company's articles of association, the remaining non-executive directors of the Company shall temporarily be entrusted with the performance of the duties and the exercise of the authorities of the vacant position as non-executive director; (b) appointed the current non-executive director Beatriz González Ordáñez as a chairman of the Board; and (c) appointed the current non-executive director Jordi Lainz Gavalda as a member of the Compensation Committee. INCORPORATION BY REFERENCE The information included in this Report on Form 6-K under the headings Wallbox N.V. Third Quarter 2024 Financial Results and Board and Committee Composition is hereby incorporated by reference into the Company's Registration Statement on Form S-8 (File No. 333-263795) and Registration Statements on Form F-3, as amended (Files No. 333-268347, 333-268792, 333-271116, 333-273323, 333-276491 and 333-281952) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished. Exhibit 99.1 and Exhibit 99.2 hereto shall not be deemed incorporated by reference into such registration statements. EXHIBIT INDEX Exhibit No. Description 99.1 Wallbox N.V. Press Release, dated November 6, 2024 99.2 Wallbox N.V. Presentation, dated November 6, 2024 SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized. Wallbox N.V. Date: November 6, 2024 By: /s/ Enric Asunción Escorsa Enric Asunción Escorsa Chief Executive Officer EX-99.1 Exhibit 99.1 Wallbox Announces Third Quarter 2024 Financial Results BARCELONA, SPAIN - November 6, 2024 Wallbox N.V. (NYSE:WBX), a leading provider of electric vehicle (EV) charging and energy management solutions worldwide, today announced its financial results for the third quarter ended September 30, 2024 and provided a business update. Third Quarter 2024 Highlights and Business Update: Generated revenue of €34.7 million, representing an increase of 7% compared to the same period last year. Excluding a one-off revenue charge of €1.6 million during the quarter, year over year growth was 12% Exceptional performance in the North American market with 45% year-over-year revenue growth, significantly higher than the EV market growth of 4%1. This further diversifies the geographical footprint while leveraging the complete product portfolio in all charging segments (Home, commercial and fast charging) Continued optimization of operations by reducing costs and CAPEX 26% revenue growth year to date compared to the same period last year, versus only a 3% growth in the EV markets where Wallbox is present2 Executive Commentary Enric Asuncion, CEO of Wallbox, said, Wallbox continues to execute on its business strategy and has outperformed the market. However, the EV market continues to perform below everyone's expectations. With our geographical and product diversification, we are capturing growth and compensate for subdued performance in specific regions or segments. As part of continuous improvement efforts, we have announced the introduction of a new organizational structure based on business units. With the new business unit-driven model, we intend to tailor our approach more effectively to each segment, aiming to unlock the full potential of our solutions, reduce costs by better aligning our resources, and drive profitability long-term company-wide. Mr. Asuncion continued, We are facing a slower than predicted EV transition but we believe the long-term potential of the EV industry remains solid. Wallbox is a global leader in the space, we have sold over one million chargers in more than 100 countries, and continue to develop among the best-in-class charging and energy management solutions. Currently, our main objective is to match the cost structure with the current demand to drive our path to profitability and cash generation. With these initiatives, we are managing the current down cycle in the industry and we believe we are in a strong position to build long-term value for our shareholders Financial Outlook - Fourth Quarter 2024 The following reflects the company's expectations for select key financial metrics for the fourth quarter 2024. Expects fourth quarter 2024 revenue to be in the range of €40 million and €45 million, representing an approximate year over year growth rate between 23% and 38% Expects Gross Margin3 between 38% and 40%

Expects a negative Adjusted EBITDA3 between,  $-(7)$  million and  $-(10)$  million 1 Market data source: Rho Motion EV Charging Database October 2024 2 Up until the end of Q3 3 See Non-IFRS Financial Measures section below

Conference Call Information Wallbox NV will host a conference call to discuss the results and provide a business update at 8:00 AM Eastern Time today, November 6, 2024. The live audio webcast and accompanying presentation, will be accessible on Wallbox's Investor Relations website at <https://investors.wallbox.com/overview/default.aspx>. A recording of the webcast will also be available following the conference call. Forward-Looking Statements This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. We intend such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act of 1933, as amended (the "Securities Act") and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). All statements contained in this press release other than statements of historical fact should be considered forward-looking statements, including, without limitation, statements regarding Wallbox's future operating results and financial position, business strategy and plans, including, without limitation, regarding expectations regarding profitability, market growth, market opportunity and financial position. The words "anticipate," "believe," "can," "continue," "could," "estimate," "expect," "focus," "forecast," "intend," "likely," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "target," "will," "would" and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions. These statements are neither promises nor guarantees, but involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements, including, but not limited to: Wallbox's history of operating losses as an early stage company; the adoption and demand for electric vehicles including the success of alternative fuels, changes to rebates, tax credits and the impact of government incentives; Wallbox's ability to successfully manage its growth; the accuracy of Wallbox's forecasts and projections including those regarding its market opportunity; competition; risks related to losses or disruptions in Wallbox's supply or manufacturing partners; impacts resulting from geopolitical conflicts; risks related to macro-economic conditions and inflation; Wallbox's reliance on the third parties outside of its control; risks related to Wallbox's technology, intellectual property and infrastructure; occurrence of any public health crisis or similar global events as well as the other important factors discussed under the caption "Risk Factors" in Wallbox's Annual Report on Form 20-F for the fiscal year ended December 31, 2023, as such factors may be updated from time to time in its other filings with the Securities and Exchange Commission (the "SEC"), accessible on the SEC's website at [www.sec.gov](http://www.sec.gov) and the Investors Relations section of Wallbox's website at [investors.wallbox.com](http://investors.wallbox.com). Any such forward-looking statements represent management's estimates as of the date of this press release. Any forward-looking statement that Wallbox makes in this press release speaks only as of the date of such statement. Except as required by law, Wallbox disclaims any obligation to update or revise, or to publicly announce any update or revision to, any of the forward-looking statements, whether as a result of new information, future events or otherwise.

Non-IFRS Financial Measures Wallbox reports its financial information required in accordance with the International Financial Reporting Standards ("IFRS"). This release includes financial measures not based on IFRS, including Adjusted EBITDA and Gross Margin (the "Non-IFRS Measure"). See the definitions set forth below for a further explanation of these terms. Wallbox defines "Gross Margin" as revenue less changes in inventory, raw materials and other consumables used divided by revenue. Wallbox defines EBITDA as loss for the period before income tax credit, financial income, financial expenses, amortization and depreciation, change in fair value of derivative warrants, and foreign exchange gains/(losses). We define Adjusted EBITDA as EBITDA for the period further adjusted to take into account the impact of certain non-cash and other items that we do not consider in our evaluation of our ongoing operating performance. These non-cash and other items include, but are not limited to: share based payment plan expenses, expenses related to a reduction in workforce initiated in January 2023, certain non-cash expenses related to the ESPP plan launched in January 2023, any negative goodwill arising from business combinations, and other items outside the scope of our ordinary activities. Management uses these Non-IFRS Measures as measurements of operating performance because they assist management in comparing the Company's operating performance on a consistent basis, as they remove the impact of items not directly resulting from the Company's core operations; for planning purposes, including the preparation of management's internal annual operating budget and financial projections; to evaluate the performance and effectiveness of our strategic initiatives; and to evaluate the Company's capacity to fund capital expenditures and expand its business. The Non-IFRS Measures may not be comparable to similar measures disclosed by other companies, because not all companies and analysts calculate these measures in the same manner. We present the Non-IFRS Measures because we consider them to be important supplemental measures of our performance, and we believe they are frequently used by securities analysts, investors and other interested parties in the evaluation of companies. Management believes that investors' understanding of our performance is enhanced by including the Non-IFRS Measures as a reasonable basis for comparing our ongoing results of operations. By providing the Non-IFRS Measures, together with reconciliations to IFRS, we believe we are enhancing investors' understanding of our business and our results of operations, as well as assisting investors in evaluating how well we are executing our strategic initiatives. Items excluded from the Non-IFRS Measures are significant components in understanding and assessing financial performance. The Non-IFRS Measures have limitations as analytical tools and should not be considered in isolation, or as an alternative to, or a substitute for loss for the period, revenue or other financial statement data presented in our consolidated financial statements as indicators of financial performance. Some of the limitations are: such measures do not reflect revenue related to fulfillment, which is necessary to the operation of our business; such measures do not reflect our expenditures, or future requirements for capital expenditures or contractual commitments; such measures do not reflect changes in our working capital needs; such measures do not reflect our share based payments, income tax benefit/(expense) or the amounts necessary to pay our taxes; although depreciation and amortization are not included in the calculation of Adjusted EBITDA, the assets being depreciated and amortized will often have to be replaced in the future and such measures do not reflect any costs for such replacements; and other companies may calculate such measures differently than we do, limiting their usefulness as comparative measures. Due to these limitations, Adjusted EBITDA should not be considered as a measure of discretionary cash available to us to invest in the growth of our business and are in addition to, not a substitute for or superior to, measures of financial performance prepared in accordance with IFRS. In addition, the Non-IFRS Measures we use may differ from the non-IFRS financial measures used by other companies and are not intended to be considered in isolation or as a substitute for the financial information prepared and presented in accordance with IFRS.

Furthermore, not all companies or analysts may calculate similarly titled measures in the same manner. We compensate for these limitations by relying primarily on our IFRS results and using the Non-IFRS Measures only as supplemental measures. We are not able to provide a reconciliation of Adjusted EBITDA guidance for the fourth quarter of 2024 and the fiscal year ending December 31, 2024, and income (loss) for the period, the nearest comparable IFRS measure, because certain items that are excluded from Adjusted EBITDA cannot be reasonably predicted or are not in our control. About Wallbox Wallbox is a global technology company, dedicated to changing the way the world uses energy. Wallbox creates advanced electric vehicle charging and energy management systems that redefine the relationship between users and the network. Wallbox goes beyond charging electric vehicles to give users the power to control their consumption, save money and live more sustainably. Wallbox offers a complete portfolio of charging and energy management solutions for residential, semi-public, and public use in more than 100 countries around the world. Founded in 2015 in Barcelona, where the company's headquarters are located, Wallbox currently has offices across Europe, Asia, and America. For more information, visit [www.wallbox.com](http://www.wallbox.com) Wallbox Public Relations Contact: Â Â Wallbox Investor Contact: Elyce Behrsin Â Â Michael Wilhelm Public Relations Â Â Corporate Development Â & IR Press@wallbox.com Â Â Investors@wallbox.com +34 622 513 358 Â Â Source: Wallbox N.V. Â Â EX-99.2 Exhibit 99.2 Â 2024 EARNINGS REPORT 2024 EARNINGS REPORT Enric Asunci3n Luis Boada Michael Wilhelm Co-Founder Â & Chief Financial Officer Investor Relations Chief Executive Officer Disclaimer This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. We intend such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act of 1933, as amended (the "Securities Act") and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). All statements contained in this presentation other than statements of historical fact should be considered forward-looking statements, including, without limitation, statements regarding Wallbox's future operating results and financial position, expected growth and profitability, business strategy initiatives and plans, expectations regarding the EV market growth and future sales. The words "anticipate," "believe," "can," "continue," "could," "estimate," "expect," "focus," "forecast," "intend," "likely," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "target," "will," "would" and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions. These statements are neither promises nor guarantees, but involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements, including, but not limited to: Wallbox's history of operating losses as an early stage company; the adoption and demand for electric vehicles including the success of alternative fuels, changes to rebates, tax credits and the impact of government incentives; Wallbox's ability to successfully manage its growth; the accuracy of Wallbox's forecasts and projections including those regarding its market opportunity; competition; risks related to losses or disruptions in Wallbox's supply or manufacturing partners; impacts resulting from geopolitical conflicts; risks related to macro-economic conditions and inflation; Wallbox's reliance on the third parties outside of its control; risks related to Wallbox's technology, intellectual property and infrastructure; occurrence of any public health crisis or similar global events as well as the other important factors discussed under the caption "Risk Factors" in Wallbox's Annual Report on Form 20-F for the fiscal year ended December 31, 2023, as such factors may be updated from time to time in its other filings with the Securities and Exchange Commission (the "SEC"), accessible on the SEC's website at [www.sec.gov](http://www.sec.gov) and the Investors Relations section of Wallbox's website at [investors.wallbox.com](http://investors.wallbox.com). Any such forward-looking statements represent management's estimates as of the date of this presentation. Any forward-looking statement that Wallbox makes in this presentation speaks only as of the date of such statement. Except as required by law, Wallbox disclaims any obligation to update or revise, or to publicly announce any update or revision to, any of the forward-looking statements, whether as a result of new information, future events or otherwise. Unless otherwise indicated, information contained in this presentation concerning Wallbox's industry and the markets in which it operates, including its general expectations, market position and market opportunity, is based on its management's estimates and research, as well as industry and general publications and research, surveys and studies conducted by third parties. While Wallbox believes the information from these third-party publications, research, surveys and studies is reliable, it does not guarantee the accuracy or completeness of such information, and Wallbox has not independently verified this information. Management's estimates are derived from publicly available information, their knowledge of the company's industry and their assumptions based on such information and knowledge, which they believe to be reasonable. This data involves a number of assumptions and limitations which are necessarily subject to a high degree of uncertainty and risk due to a variety of factors, including those described in Wallbox's periodic reports filed with the SEC under the caption "Risk Factors." These and other factors could cause Wallbox's future performance and market expectations to differ materially from its assumptions and estimates. Q3 2024 x EARNINGS REPORT Q3 2024 Wallbox Today Wallbox continues to outperform the market Wallbox Revenue EV Market +26% +3% 126.6 24.32 4.2 100.5 1 1 Revenue YTD in Euro # of EV units sold YTD 2023 2024 2023 2024 Q3 2024 EARNINGS REPORT WALLBOX AS Global Leaders We are a global leader in electric vehicle (EV) charging and energy management solutions Over 1M Chargers in over 100 Countries Key Initiatives: "Adjust organizational structure" "Improve to business unit driven gross margins" "Improve visibility on topline match costs base with" "Expand current demand sales We are continuing on a path to profitability and cash generation 1. YTD " Data up until 30th of September 4 2. Market data source: Rho Motion EV Charging Database "October 2024 3. This is a non-IFRS measure. Please see slide 13 for a reconciliation of this financial measure to the most comparable IFRS metric Q3 2024 Highlights Q3 Revenue â, -34.7M A 7% YoY increase Driven by NA with 45% YoY increase Impacted by, -1.6M revenue charge 169 DC units sold Globally 38,600 AC units sold Including ABL Q3 Gross Margin 23% â, -21.8M Adjusted EBITDA loss 1 Excluding one-off impact the gross margin was higher and closer to historical results Q3 Labor costs and OPEX 2% Decrease Yo Q3 2024 EARNINGS REPORT 1. This is a non-IFRS measure. Please see slide 13 for a reconciliation of this financial measure to the most comparable IFRS metric 5 Q3 2024 Revenues by Geography 13% YOY EV Market 1% YOY WBX Revenue 4% YOY EV Market Europe 45% YOY WBX Revenue â, -22.9M / 66% 1 North America â, -9.7M / 28% 1 APAC â, -1.2M / 4% 1 LATAM â, -800k / 2% 1 Q3 2024 EARNINGS REPORT 1. As percentage of revenue 6 Q3 2024 Revenues by Product AC Sales â, -23.7M / 68% 1 68% 13% DC Sales â, -4.4M / 13% 1 Software, Services Â & Others 19% â, -6.6M / 19% 1 Q3 2024 EARNINGS REPORT 1. As percentage of revenue 7 Q3 2024 Market Overview EVs Sold in Key Markets 1 1.61 1.51 1.49 1.52 1.47 1.38 0.2 0.3 0.3 ROW 0.3 0.3 0.3 EU 0.8 0.8 0.8 0.8 0.7 0.7 0.4 0.4 0.5 0.4 0.5 0.5 NA Q2 2023 Q3 2023 Q4 2023 Q1 2024 Q2 2024 Q3 2024 + Positive about +

Transition will take longer + Requires political + Opportunity remains + Clear headwinds in the long-term growth than everyone expected support, clarity on unchanged and we industry, but Wallbox and future potential with current growth slowing policies and make are optimistic as we focused on maximising of the EV market investment enter into 2025 growth and profitability commercially viable Q3 2024 EARNINGS REPORT 1. Rho Motion EV Charging Database "October 2024" In Millions 8 Q3 2024 Financial Review Q3 Revenue Q3 Labor Costs & OPEX RESULTS IMPACTED BY UNIQUE FACTORS, -34.7M, -31.9M CONTINUED 7% YoY improvement Continuous reduction of labor costs & OPEX GROWTH IN NORTH AMERICA Q3 Gross Margin Q3 Adjusted EBITDA Loss 1 SOFTER MARKET IN EUROPE FOR BOTH AC AND DC 23.0%, -21.8M Excluding one-off impact the gross margin Impacted by topline and gross margin was higher and closer to historical results Q3 2024 EARNINGS REPORT 1. This is a non-IFRS measure. Please see slide 13 for a reconciliation of this financial measure to the most comparable IFRS metric 9 Q3 2024 Key Financial Metrics, -70.5M, -84M Cash And Cash Equivalent And Financial Q3 Long-Term Debt Investments Decrease compared to last Focus on cash conservation quarter, -76.5M, -1.7M Q3 Consolidated Inventory Q3 Capex 10% reduction sequentially Circa, -340k on Property Plant & Equipment Q3 2024 EARNINGS REPORT 10 Q3 2024 Closing Thoughts Volatility In the EV Market Key + + + + Initiatives Adjusting Visibility on Improve Continue to WBX Executing Well organizational topline gross expand Reprise structure margins sales Q4 Expected Revenue Range Q4 Expected Gross Margin Q4 Expected EBITDA, -40M-45M 38%-40%, -(7)-(10)M Q3 2024 EARNINGS REPORT 11 Q&A Financial Overview Reconciliation 1 Unaudited, in, -000's YEAR 2024 YEAR 2023 Q3 Q2 Q3 Operating Loss (33,698) (25,268) (28,283) Amortization and depreciation 9,264 9,668 7,430 EBITDA (24,434) (15,600) (20,853) One off expenses 1,035 1,133 265 Employee Stock Options Plan 872 726 3,914 ESPP (non-cash) 159 195 299 Impairment of goodwill 2,349 - Other income 559 (8) (214) Adjusted EBITDA (21,809) (11,205) (16,589) 1. See slide 14 for definitions 13 Q3 2024 EARNINGS REPORT 2. Impairment of goodwill related to Intelligent Solutions Definitions and Disclosures 1 "EBITDA" is defined as loss for the period before income tax credit, financial income, financial expenses, amortization and depreciation, change in fair value of derivative warrants, and foreign exchange gains/(losses). 2 "Adjusted EBITDA" is defined as EBITDA for the period further adjusted to take into account the impact of certain non-cash and other items that we do not consider in our evaluation of our ongoing operating performance. These non-cash and other items include, but not are limited to: share based payment plan expenses, expenses related to a reduction in workforce initiated in January 2023, certain non-cash expenses related to the ESPP plan launched in January 2023, any negative goodwill arising from business combinations, and other items outside the scope of our ordinary activities. 3 Operating loss consists of Wallbox's revenue and other income less changes in inventories and raw materials and consumables used, employee benefits, other operating expenses, impairment of goodwill, and amortization and depreciation. 4 Wallbox's revenue consists of retail sales, sales from distributors, resellers and installer customers of charging solutions for EVs, which includes electronic chargers and other services. 5 Gross Margin is defined as revenue less changes in inventory, raw materials and other consumables used divided by revenue. 6 Other operating expenses primarily consist of professional services, marketing expenses, external temporary workers expense, delivery expense, insurance premiums and other expenses, including leases of machinery with lease terms of 12 months or less and leases of office equipment with low value, including IT equipment. Q3 2024 x EARNINGS REPORT 14 Thank you Gracias Danke Web Contact Twitter @wallboxchargers www.investors.wallbox.com investors@wallbox.com Facebook Wallbox LinkedIn Wallbox Instagram @wallboxcharger