

Public Charger Fault Diagnostics Platform Market 2025-2029: Unveiling Growth Developments with the Latest Updates

The Business Research Company's Public Charger Fault Diagnostics Platform Market 2025-2029: Unveiling Growth Developments with the Latest Updates

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What Is The Expected Cagr For The Public Charger Fault Diagnostics Platform Market Through 2025?

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It will grow to \$2.66 billion in 2029 at a compound annual growth rate (CAGR) of 20.3%.”

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The market size of the public charger fault diagnostics platform has seen an impressive growth in the past few years. The market is projected to increase from \$1.26 billion in 2024 to \$1.53 billion in 2025, with a compound annual growth rate (CAGR) of 20.7%. This significant growth in the historic period is largely due to the growing adoption rate of electric vehicles, enhanced government incentives directed towards EV infrastructure, escalating demand for dependable public charging, expansion of charging

networks in urban areas, and heightened awareness regarding the maintenance requirements of electric vehicles.

Anticipated for a significant surge in the coming years, the market size of the public charger fault diagnostics platform is set to witness a growth up to \$2.66 billion by 2029, with a compound annual growth rate (CAGR) of 20.3%. This projected expansion during the forecast period is linked to factors like the broadening scope of renewable energy integration, heightened interest in predictive maintenance, escalating necessity for network optimization, developing of fleet electrification, and intensifying investments in public charging infrastructure. Key trends to look out for in this duration are advances in fault detection technology, inventions in cloud-based

monitoring platforms, the investment influx in research and development for enhancing charger reliability, progress in real-time data analytics, and inclusion of IoT-enabled smart sensors.

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What Are The Driving Factors Impacting The Public Charger Fault Diagnostics Platform Market?

The growing focus on optimizing operational efficiency is predicted to fuel the public charger fault diagnostics platform market's expansion in the future. Operational efficiency essentially relates to an entity's capacity to deliver services or produce commodities effectively, while concurrently curtailing waste, time, and expenditure. The heightened attention towards operational efficiency has been triggered by mounting operational obligations and market rivalry, compelling enterprises to revamp their processes, trim waste and optimize the use of resources while preserving profitability and quality of service. The public charger fault diagnostics platform amplifies operational efficiency by facilitating constant surveillance and predictive upkeep, empowering operators to detect and rectify faults proactively, minimize inactive time, and strategically delegate resources for more efficient EV charging functions. For instance, the National Association of Manufacturers, an industrial firm based in the US, revealed in May 2024 that in 2023, about 74% of manufacturers adopted or intended to incorporate machine learning, a substantial increase from 46% in 2022, to enhance operational efficiency. Therefore, the escalating focus on operational efficiency is anticipated to stimulate the expansion of the public charger fault diagnostics platform market.

Which Players Dominate The Public Charger Fault Diagnostics Platform Industry Landscape?

Major players in the Public Charger Fault Diagnostics Platform Global Market Report 2025 include:

- Siemens AG
- Schneider Electric SE
- ABB Ltd.
- Delta Electronics Inc.
- Phoenix Contact GmbH & Co. KG
- Vontier Corporation
- Leviton Manufacturing Co. Inc.
- ChargePoint Inc.
- EVgo Inc.
- Blink Charging Co.

What Are The Future Trends Of The Public Charger Fault Diagnostics Platform Market?

Leading firms in the public charger fault diagnostics platform industry are putting more emphasis on technological advancements like predictive maintenance to enhance charger uptime, make operations more efficient, minimize maintenance expenses, and provide a seamless charging experience for electric vehicle (EV) users. By utilizing real-time sensor data, historic data, and sophisticated analytics, often including machine learning, predictive

maintenance actively monitors the health of equipment, anticipates the need for maintenance, and arranges for servicing before any breakdowns occur. For instance, Techniche Group, a tech company based in Australia, rolled out its EV charging asset maintenance management solution in June 2022. This platform provides real-time monitoring of health, predicts maintenance needs from diagnostic data trends, and automatically sends out field technicians with comprehensive fault details. These proactive strategies boost operational effectiveness and cut down on repair costs, though their effectiveness largely relies on the quality and amount of data used.

Global Public Charger Fault Diagnostics Platform Market Segmentation By Type, Application, And Region

The public charger fault diagnostics platform market covered in this report is segmented as

- 1) By Component: Software, Hardware, Services
- 2) By Charger Type: Alternating Current (AC) Chargers, Direct Current (DC) Fast Chargers
- 3) By Deployment Mode: Cloud-Based, On-Premises
- 4) By Application: Public Charging Stations, Commercial Fleets, Municipal Infrastructure

Sub Segments:

- 1) By Software: Predictive Maintenance Software, Remote Monitoring Software, Asset Management Software, Analytics And Reporting Tools
- 2) By Hardware: Sensors And IoT Devices, Charging Station Controllers, Diagnostic And Testing Equipment, Communication Modules
- 3) By Services: Installation And Integration Services, Maintenance And Support Services, Data Management And Analytics Services, Training And Consultation Services

View the full public charger fault diagnostics platform market report:

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Which Region Holds The Largest Market Share In The Public Charger Fault Diagnostics Platform Market?

In the 2024 Public Charger Fault Diagnostics Platform Global Market Report, North America was identified as the dominant region. It's predicted that Asia-Pacific will experience the most significant growth in the forecast period ending in 2025. The report provides an overview of different regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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