Wireless Charging Market Set to Hit US$94.2 Billion by 2033, Says Persistence Market Research

Wireless charging, especially for EVs, requires costly infrastructure and specialized components, posing high upfront costs for developers and users.

Wireless Charging Mkt

LONDON, UNITED KINGDOM, January 21, 2026 /EINPresswire.com/ -- The global wireless charging market is witnessing rapid growth, driven by increasing adoption of wireless-enabled devices and the rising demand for convenient, cable-free power solutions. In 2026, the market is expected to reach a valuation of US$ 22.0 billion, and it is projected to surge to US$ 94.2 billion by 2033, reflecting a robust CAGR of 23.1% between 2026 and 2033. The market growth is fueled by technological advancements in high-power wireless charging, integration of Qi2 standards, and strategic collaborations among industry leaders like Samsung and Google. The proliferation of smartphones, wearable devices, and electric vehicles (EVs) is creating significant demand for fast and efficient wireless charging solutions.

Among product types, medium and high-power wireless charging solutions are leading the market, particularly in applications such as electric vehicles and industrial electronics. Geographically, North America dominates the wireless charging market due to the presence of established technology providers, strong R&D investments, and early adoption of innovative wireless charging standards. Additionally, growing EV infrastructure and government incentives for clean energy adoption in the region are supporting market expansion.

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Key Highlights from the Report

• The global wireless charging market is projected to reach US$ 94.2 billion by 2033.

• Medium and high-power charging solutions are witnessing the fastest growth.
• Qi2 standards have enhanced charging speeds up to 25W, with future potential of 50W.
• North America leads the market due to strong technology adoption and EV infrastructure.
• Samsung and Google are key contributors to advancing wireless charging technologies.
• High initial infrastructure costs remain a challenge for market expansion.

Market Segmentation

The wireless charging market is segmented based on product type, end-user applications, and technology. In terms of product type, the market is categorized into low-power (up to 15W), medium-power (15–50W), and high-power (above 50W) solutions, with medium-power systems gaining traction due to widespread smartphone and EV applications. End-user segmentation includes consumer electronics, automotive, healthcare, industrial, and commercial sectors, with consumer electronics accounting for a major share due to smartphones, wearables, and smart home devices. Additionally, wireless charging systems for electric vehicles are rapidly growing, driven by the need for convenience and faster charging capabilities. Technological segmentation focuses on inductive, resonant, and radio-frequency-based charging, with inductive solutions remaining dominant for smartphones and wearables, while resonant technology is preferred for medium and high-power applications.

Regional Insights

Regionally, North America dominates the wireless charging market due to the high concentration of technology providers, early adoption of advanced charging standards, and government support for EV adoption. Europe is witnessing steady growth, particularly in EV wireless charging infrastructure, fueled by supportive policies and investments in smart cities. The Asia-Pacific region is emerging as a key growth market, led by China, Japan, and South Korea, where rising smartphone penetration, consumer electronics innovation, and growing EV adoption are driving demand. The Middle East and Africa (MEA) and Latin America remain niche markets but are expected to witness gradual expansion as infrastructure investments increase.

Market Drivers

The primary drivers of the wireless charging market include the rising adoption of smartphones, smart wearables, and wireless-enabled consumer electronics, which create demand for convenient charging solutions. The launch of Qi2 standards and other high-power charging protocols has significantly enhanced charging efficiency and speed, fueling consumer and enterprise adoption. Additionally, the growing electric vehicle industry is boosting demand for medium and high-power wireless charging systems. Strategic collaborations among key players, such as Samsung’s integration of Qi2 in its Galaxy lineup and Google’s high-power charging contributions, are also driving innovation and market growth.

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Market Restraints

Despite strong growth, the wireless charging market faces several restraints. High upfront costs associated with building wireless charging infrastructure, especially for medium and high-power applications, limit adoption among consumers and enterprises. Electric vehicle wireless charging systems require specialized components, including ground-mounted pads, in-vehicle receivers, and power transmission hardware, further increasing costs. Moreover, compatibility issues between different wireless charging standards and the need for regulatory approvals in multiple regions pose additional challenges for market expansion.

Market Opportunities

The wireless charging market presents significant opportunities for growth, particularly in the electric vehicle and industrial sectors. Advancements in high-power wireless charging technology, including speeds projected to reach 50W and beyond, open new avenues for faster and more efficient charging. Expansion of public charging infrastructure in urban areas and strategic partnerships among OEMs and technology providers can drive adoption. Additionally, the integration of wireless charging in IoT devices, healthcare equipment, and smart home applications provides untapped potential for both consumer and enterprise markets.

Company Insights

The wireless charging market is highly competitive, with several key players driving innovation:

• Samsung Electronics Co., Ltd.
• Google LLC
• Apple Inc.
• Qualcomm Technologies, Inc.
• Broadcom Inc.
• Murata Manufacturing Co., Ltd.
• Texas Instruments Inc.
• NXP Semiconductors N.V.

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Recent Developments:

Samsung integrated Qi2 wireless charging technology across its Galaxy lineup in 2025, enhancing charging speeds and compatibility.

Google contributed high-power wireless charging technology to support the development of Qi v2.2, accelerating adoption of medium and high-power solutions.

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Massive MIMO Market: The massive MIMO market is set to grow from US$9.4B in 2026 to US$68.1B by 2033, driven by 5G and rising data demand.

GaN Adapters Market: The global GaN adapters market is projected to grow from US$1.5B in 2026 to US$2.3B by 2033, at a 6% CAGR, driven by fast-charging and energy-efficient solutions.

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