

Wireless Charging Market Report and Forecast 2025-2034

Market Report | 2025-08-12 | 179 pages | EMR Inc.

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Report description:

The global wireless charging market stood at USD 13.96 Billion in 2024 . The market is projected to grow at a significant CAGR of 13.20% during the forecast period of 2025-2034 to reach USD 48.23 Billion by 2034 .

On the basis of technology, inductive technology is estimated to dominate the global wireless charging market in 2020. Based on the application, the consumer electronics segment accounted for the majority of the total market share and is expected to retain its dominance during the forecast period. Based on the transmission line, the short-range wireless transmission is estimated to hold the largest market in 2020.

Regionally, the Asia Pacific is projected to hold the major market share over the forecast period owing to the growing adoption of consumer electronics and the rising demand for electric vehicles. Also, the increase in disposable income associated with increasing investment in consumer electronics products is expected to drive the wireless charging market growth.

Market Segmentation

Wireless charging is defined as the process of electrically charging battery-powered appliances or devices without physically connecting to a live power source. It operates on the principle of electromagnetic induction (EMI). In EMI, an electric current is passed between the transmitter and the receiver through the use of coils to induce an electromagnetic field. Wireless charging is a convenient, safe, and reliable technology to charge wireless devices, while providing a cost-effective and portable alternative to traditionally wired charging systems.

On the basis of the technology, the global wireless charging market is divided into:

- Inductive Charging
- Resonant Charging
- Radio Frequency Based Charging

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- Others

The wireless charging market can be broadly segregated on the basis of its transmission range into:

- Short Range
- Medium Range
- Long Range

Based on the application, the global wireless charging market is segmented into:

- Consumer Electronics
- Automotive
- Healthcare
- Industrial
- Defence
- Others

On the basis of the region, the global wireless charging market is divided into:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

Wireless charging systems ensure the portability of appliances and eliminate the need for bulky power charging devices. It offers convenience to the wireless charging devices and has penetrated various industrial sectors such as industrial equipment, consumer electronics, and automotive. The wireless technology is being increasingly adopted and implemented in healthcare applications on account of the frequent power cuts during surgical procedures. Consequently, the healthcare industry is gaining momentum towards adopting advanced wireless charging alternatives that facilitate performance improvements in medical devices.

Moreover, wireless charging systems offer various advantages over the conventional charging system, such as mobility, ease of handling, and protection from electric shocks, thus, contributing to the growth of the global wireless charging market. The adoption of wireless charging solutions in automobiles and the growing proliferation of the Internet of Things (IoT) is also likely to foster the industry growth. Furthermore, the rising demand and potential of electric vehicles, particularly in European countries, is further expanding its application in the automotive industry. The rise in the sales of electric vehicles (EVs) and the growing adoption of portable electronics and wearables are also driving the industry growth. Moreover, the growing investments in research and development activities are estimated to stimulate the growth of the industry in the coming years.

Competitive Landscape

The report gives a detailed analysis of the following key players in the global wireless charging market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

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- Leggett & Platt, Incorporated
- Energizer
- Powermat
- WiTricity Corporation
- Samsung
- Renesas Electronics Corporation
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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