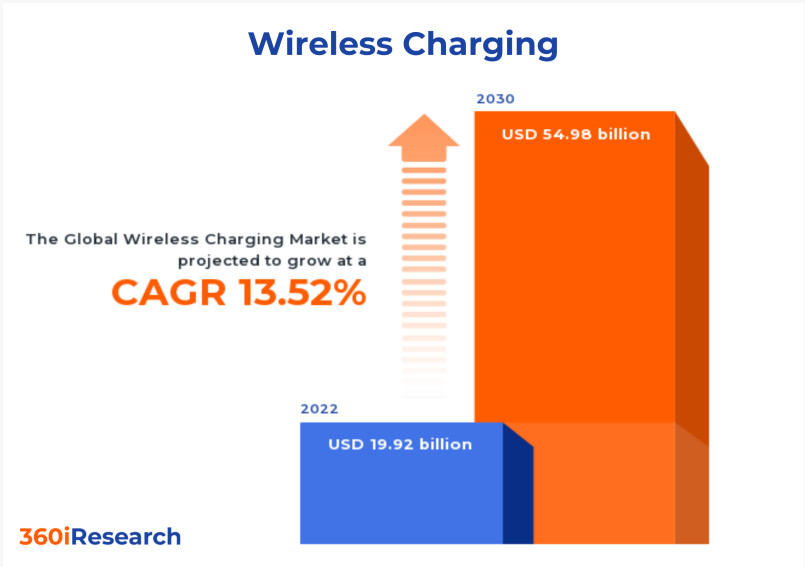
Wireless Charging Market worth $54.98 billion by 2030, growing at a CAGR of 13.52% - Exclusive Report by 360iResearch

The Global Wireless Charging Market to grow from USD 19.92 billion in 2022 to USD 54.98 billion by 2030, at a CAGR of 13.52%.



Wireless Charging Market - Exclusive Report by 360iResearch

PUNE, MAHARASHTRA, INDIA , November 10, 2023 / EINPresswire.com/ -- The "Wireless Charging Market by Technology (Inductive, Radio Frequency, Resonant), Implementation (Receivers, Transmitters), Application - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

The Global Wireless Charging Market to grow from USD 19.92 billion in 2022 to USD 54.98 billion by 2030, at a CAGR of 13.52%.

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The wireless charging market encompasses a broad range of technologies and devices that enable the transfer of electrical energy without physical connectors or cables. Innovations in consumer electronics lead to increased adoption of smartphones and wearables with integrated wireless charging capabilities. Rapid advancements in electric vehicle infrastructure are driving demand for convenient EV charging solutions. However, inefficiencies in power transfer compared to wired alternatives can lead to longer charging times and energy losses during transmission. Market players are working on developing improved efficiency levels and reducing energy losses during power transmission using advanced materials or novel system designs. Increasing deployment of IoT devices requiring efficient power sources and minimal maintenance efforts to improve overall operational efficiency is expected to elevate the need for advanced wireless charging. Moreover, a growing focus on patient-centric healthcare models

prompts medical device manufacturers to encourage the incorporation of wireless power transmission features for better patient outcomes and user experience.

Technology: Rising preference for inductive charging for small-frequency devices
Inductive charging is based on the transfer of energy between two coils via electromagnetic fields. It requires precise alignment between the charger and device for efficient power transfer, and this technology is most suited for applications requiring a fixed position, such as electric toothbrushes and smartphones. Rather than relying on magnetic induction, radio frequency charging utilizes radio waves to transmit power. This technology can charge devices over longer distances without the need for direct contact or precise alignment between transmitters and receivers. Resonant charging leverages magnetic resonance to transfer energy between two coils. It allows power transmission over greater distances than inductive charging and can charge multiple devices simultaneously without requiring precise alignment.

Implementation: Advanced transceivers with Qi-standard to improve charging capacities
Receivers are responsible for converting the transmitted electromagnetic field into electrical energy, which is then used to charge the device's battery. Modern-day receivers employ advanced technologies such as Qi-compliant or resonance-based solutions to ensure efficient power transfer. Transmitters play a crucial role in generating an electromagnetic field that transfers energy to the receiver coil within the device being charged. Transmitters can either be single-coil or multi-coil, with the latter offering flexibility in device placement.

Application: Exponential use of electric vehicles powered by wireless charging solutions
Wireless charging technologies enable efficient power transfer to unmanned aerial vehicles (UAVs), communication devices, and onboard sensors in aerospace & defense industries. The automotive industry is experiencing rapid growth in the adoption of electric vehicles (EVs), driving the need for more convenient and efficient charging solutions. As smartphones, tablets, smartwatches, and other personal electronic devices become ubiquitous worldwide, consumers seek increasingly seamless wireless ways to keep their gadgets powered up without tangled cords or bulky chargers cluttering their spaces. Wireless charging can power medical implants, hearing aids, or electric wheelchairs without the need for invasive procedures or cumbersome charging stations. 5. In industrial settings where safety and efficiency are paramount, wireless charging provides a durable solution for powering heavy machinery, handheld tools, robotics, or sensors without electrical hazards or downtime due to cord damage.

Regional Insights:
In the Americas, wireless charging has become increasingly popular due to growing consumer demand for convenient and efficient power solutions. The United States and Canada represent a significant portion of the global market share for wireless charging devices. Regarding production capabilities within the region, North America is home to some key players in the industry contributing to advancements in resonant and radio frequency-based technologies for wireless power transfer. Asia is a significant region in the wireless charging market both in terms of production capacity and adoption rates. Additionally, these countries have invested heavily in

infrastructure that supports EVs with integrated wireless charging systems. Asia's competitive landscape highlights numerous regional players vying for market share and fostering innovation. Companies in Asia are building a dynamic ecosystem that promotes technological advancements and cost-effective solutions. The European market has shown steady growth in the adoption of wireless charging technologies as they are home to strong research institutions that drive innovation in wireless power transfer technology, particularly with regard to EVs and public transport. European automakers are integrating wireless charging systems into their vehicles to meet consumer demand for convenient EV power solutions.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Wireless Charging Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Wireless Charging Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Wireless Charging Market, highlighting leading vendors and their innovative profiles. These include Abracon LLC, Analog Devices, Inc., Anker Innovations Technology Co., Ltd, Apple Inc., Belkin, B□PLUS KK by Balluff GmbH, DAIHEN Corporation, Delta Electronics, Inc., Energizer Holdings, Inc., energysquare SAS, Hon Hai Precision Industry Co. Ltd., In2power NV, Infineon Technologies AG, Laird Technologies, Inc., LG Electronics Inc., Metaboards, Murata Manufacturing Co., Ltd., NXP Semiconductors N.V, Ossia Inc., Panasonic Holdings Corporation, Plugless Power LLC, Powercast Corporation, Powermat Technologies Ltd., Renesas Electronics Corporation, Resonant Link, Inc., Robert Bosch GmbH, Samsung Electronics Co., Ltd., Semtech Corporation, Skyworks Solutions, Inc., Sony Group Corporation, STMicroelectronics N.V., TDK Corporation, Texas Instruments Incorporated, WiBotic Inc., Wiferion GmbH by PULS GmbH, WiTricity Corporation, Yank Technologies, Inc., and ZENS Consumer BV.

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Market Segmentation & Coverage:

This research report categorizes the Wireless Charging Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Technology, market is studied across Inductive, Radio Frequency, and Resonant. The Inductive commanded largest market share of 62.12% in 2022, followed by Radio Frequency.

Based on Implementation, market is studied across Receivers and Transmitters. The Transmitters commanded largest market share of 62.23% in 2022, followed by Receivers.

Based on Application, market is studied across Aerospace & Defense, Automotive, Consumer Electronics, Healthcare, and Industrial. The Consumer Electronics commanded largest market share of 32.18% in 2022, followed by Automotive.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Americas commanded largest market share of 37.45% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

1. Preface
2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. Wireless Charging Market, by Technology
7. Wireless Charging Market, by Implementation
8. Wireless Charging Market, by Application
9. Americas Wireless Charging Market
10. Asia-Pacific Wireless Charging Market
11. Europe, Middle East & Africa Wireless Charging Market
12. Competitive Landscape
13. Competitive Portfolio
14. Appendix

The report provides insights on the following pointers:
1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:
1. What is the market size and forecast of the Wireless Charging Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Wireless Charging Market?
3. What is the competitive strategic window for opportunities in the Wireless Charging Market?
4. What are the technology trends and regulatory frameworks in the Wireless Charging Market?
5. What is the market share of the leading vendors in the Wireless Charging Market?
6. What modes and strategic moves are considered suitable for entering the Wireless Charging Market?

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