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Global In-Car Wireless Charging Modules Market Research Report 2026(Status and Outlook)

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Abstracts

In-car wireless charging is an embedded component installed in the car that can wirelessly charge smartphones, wearable devices, and any Qi-enabled device. The system uses an induction coil to generate an electromagnetic field to transfer energy from the transmitter unit to the receiver unit. The receiver unit then converts the energy into a safe and efficient power source that can wirelessly charge a variety of Qi-enabled devices, including smartphones, headphones, smart watches, etc.With the rise of smart cockpits and autonomous driving, in-car wireless charging modules have become a key automotive feature. Consumers demand more convenient and efficient charging solutions, prompting automakers to integrate wireless charging across more vehicle models. Currently, the market is divided into 15W and 40W/50W charging solutions, applied to both internal combustion engine (ICE) vehicles and new energy vehicles (NEVs). As NEVs become mainstream and premium vehicles adopt smarter infotainment systems, high-power wireless charging will drive the future market, while 15W charging remains the dominant choice for ICE vehicles, with gradual advancements toward higher power solutions.In product segmentation, 15W charging is the industry standard due to its Qi protocol compatibility, cost efficiency, and broad adoption in mid-to-high-end ICE and NEV models. However, high-power wireless charging (40W/50W) is rapidly gaining traction, especially in the NEV segment. Faster wireless charging eliminates the slow charging bottleneck of conventional solutions, while optimized cooling technologies (air/liquid-cooled systems) ensure safety and efficiency. Brands like Tesla, NIO, and XPeng have already integrated 40W+ wireless charging in select models, and future developments could push charging power beyond 60W.In application trends, the demand for wireless charging differs between ICE vehicles and NEVs. The ICE segment remains dominant, but its 12V/24V electrical architecture limits adoption of high-power charging, keeping 15W modules as the primary choice. However, premium ICE brands like BMW and Mercedes-Benz are

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increasingly adopting higher-power wireless charging for a superior user experience. In contrast, NEVs with 400V/800V architectures are more suited for high-power wireless charging, accelerating the adoption of 40W/50W solutions, with future potential for 80W or higher.Looking ahead, smart, high-power, and standardized wireless charging will define the market. Future innovations will integrate automatic device recognition, intelligent temperature control, and optimized charging efficiency to enhance the user experience. As battery technology advances, high-power wireless charging will become mainstream in premium models. Lastly, wireless charging standardization (e.g., Qi2 protocol) will improve cross-brand compatibility, driving industry-wide adoption. With NEV growth, smart cockpit integration, and technological breakthroughs, the in-car wireless charging market is set for rapid expansion.

The global In-Car Wireless Charging Modules market size was estimated at USD 1438.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 23.30% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global In-Car Wireless Charging Modules market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global In-Car Wireless Charging Modules market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the In-Car Wireless Charging Modules market.

Global In-Car Wireless Charging Modules Market: Market Segmentation Analysis

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This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Continental
Laird
LG Electronics
Tesla
Aptiv
Hefei InvisPower
Huayang
Nidec
Luxshare Precision Industry
Zhejiang Taimi Science and Technology
Shenzhen Sunway Communication

Market Segmentation (by Type)

15W
40/50W

Market Segmentation (by Application)

Internal Combustion Engines
New Energy Vehicles

Geographic Segmentation

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North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the In-Car Wireless Charging Modules Market
Overview of the regional outlook of the In-Car Wireless Charging Modules Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the In-Car Wireless Charging Modules Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream

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and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of In-Car Wireless Charging Modules, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors

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You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
Provision of market value data for each segment and sub-segment
Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market
Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled
Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players
The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter?s five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

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