

Wireless Charging Market with COVID-19 Impact by Implementation (Transmitters, Receivers), Technology (Magnetic Resonance, Inductive, Radio Frequency), Application (Consumer Electronics, Healthcare, Automotive), and Region - Global Forecast to 2026

<https://marketpublishers.com/r/P89B3DDBE84EN.html>

Date: January 2021

Pages: 163

Price: US\$ 4,950.00 (Single User License)

ID: P89B3DDBE84EN

Abstracts

The overall wireless charging market is expected to be valued at USD 4.5 billion in 2021 and projected to reach USD 13.4 billion by 2026, at a CAGR of 24.6% between 2021 and 2026. The growth of the wireless charging market is attributed to the rising adoption of wireless technology in consumer electronics; increase in sales of electric vehicles; and ability to charge multiple devices. However, compatibility issues restrict the adoption of wireless charging in various industries.

“Market for transmitters to grow at higher CAGR during forecasted period”

Wireless transmitters are used as standalone wireless charging devices, while receivers are built into the electronic devices. Companies manufacturing transmitters are investing heavily to innovate their wireless charger product portfolios. Moreover, the NXP Semiconductor provides a 15W wireless charging IC that offers broad controller functionality to implement a wireless charging transmitter solution. Renesas provides wireless power transmitter ICs for various wireless power applications such as portable charging electronic systems, charging mats and pads, personal computer docks, office furniture, and public facilities. These factors owing to the higher growth of transmitters market during forecasted period.

“Market for automotive industry to grow at highest CAGR during forecast period”

Automakers are also heavily investing in the development of electric vehicles, leading to

increasing sales of these vehicles. Charging is the key concern in the case of electric vehicles. While the wired charging method is generally utilized to charge such vehicles, it comes with drawbacks such as safety concerns in wet environment as well as messy wires. The increasing number of EVs globally is expected to drive the automotive segment of the wireless charging market by 2026.

“APAC is projected to grow at a higher CAGR during the forecast period.”

APAC is expected to be the fastest-growing market for wireless charging market due to the presence of developing countries such as India and China. The region is a major raw material manufacturing hub for consumer electronics, automotive, and healthcare applications. Moreover, China is considered as one of the biggest manufacturing countries in the world, thereby driving the manufacturing sector in APAC. The China Electricity Council has announced new national standards for wireless electric vehicle charging, which incorporate WiTricity's patented technology. All these factors are expected to increase the adoption of wireless charging in the country.

Profile break-up of primary participants for the report is given below:

By Company – Tier 1 = 45%, Tier 2 = 30%, and Tier 3 = 25%

By Designation – C-level Executives = 40%, Managers = 60%,

By Region – Americas = 30%, Europe = 20%, APAC = 35%, and RoW = 15%

The study includes an in-depth competitive analysis of these key players in the wireless charging market, with their company profiles, recent developments, and key market strategies. Energizer Holdings, Inc. (US), Evatran Group (US), Energous Corporation (US), Leggett & Platt (US), Powermat (Israel), Momentum Wireless Power (US), Ossia Inc. (US), Powercast Corp. (US), Samsung Group (South Korea), Elix Wireless (Canada), WiTricity Corporation (US), and Zens (Netherlands), are among the major players in the wireless charging market.

The global wireless charging market is segmented into implementation, technology, application, and region. The market based on implementation includes transmitters and receivers. The technology includes magnetic resonance, inductive, and radio frequency. The applications that are included in the study are automotive, consumer electronics, healthcare, and others. The wireless charging market is segmented into 4 regions,

namely North America, Europe, Asia Pacific (APAC), and the Rest of the World (RoW).

Reasons to buy the report:

Illustrative segmentation, analysis, and forecast of the market based on type, application, industry, and region have been conducted to give an overall view of the wireless charging market.

A value chain analysis has been performed to provide in-depth insights into the wireless charging market.

The key drivers, restraints, opportunities, and challenges pertaining to the wireless charging market have been detailed in this report.

Detailed information regarding the COVID-19 impact on the wireless charging market has been provided in the report.

The report includes a detailed competitive landscape of the market, along with key players, as well as in-depth analysis of their revenues

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION AND SCOPE
 - 1.2.1 INCLUSIONS & EXCLUSIONS
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
- FIGURE 1 WIRELESS CHARGING MARKET SEGMENTATION
- 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 MARKET STAKEHOLDERS
- 1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- FIGURE 2 WIRELESS CHARGING MARKET: RESEARCH DESIGN
 - 2.1.1 SECONDARY & PRIMARY RESEARCH
 - 2.1.2 SECONDARY DATA
 - 2.1.2.1 Major secondary sources
 - 2.1.2.2 Key data from secondary sources
 - 2.1.3 PRIMARY DATA
 - 2.1.3.1 Primary interviews with experts
 - 2.1.3.2 Key data from secondary and primary sources
 - 2.1.3.3 Key industry insights
 - 2.1.3.4 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
- FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH (SUPPLY SIDE): REVENUE OF WIRELESS CHARGING MARKET
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.1.1 Approach for arriving at market share by bottom-up analysis (demand side)
- FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
 - 2.2.2.1 Approach for capturing market share by top-down analysis (supply side)

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 6 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

FIGURE 7 ASSUMPTIONS OF THE RESEARCH STUDY

3 EXECUTIVE SUMMARY

3.1 IMPACT OF COVID-19 ON THE WIRELESS CHARGING MARKET

FIGURE 8 PRE- AND POST-COVID-19 ANALYSIS OF WIRELESS CHARGING MARKET

3.2 PRE-COVID-19

3.3 POST-COVID-19

FIGURE 9 WIRELESS CHARGING MARKET FOR TRANSMITTERS TO RECORD HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 10 INDUCTIVE TECHNOLOGY TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD

FIGURE 11 AUTOMOTIVE EXPECTED TO BE FASTEST-GROWING APPLICATION IN WIRELESS CHARGING MARKET DURING FORECAST PERIOD

FIGURE 12 APAC TO BE FASTEST-GROWING MARKET FOR WIRELESS CHARGING

DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN OVERALL WIRELESS CHARGING MARKET

FIGURE 13 DEMAND FOR SMARTPHONES AND SMART WEARABLES TO DRIVE GROWTH OF WIRELESS CHARGING MARKET

4.2 WIRELESS CHARGING MARKET, BY IMPLEMENTATION

FIGURE 14 RECEIVERS TO LEAD WIRELESS CHARGING MARKET DURING FORECAST PERIOD

4.3 WIRELESS CHARGING MARKET, BY TECHNOLOGY

FIGURE 15 INDUCTIVE SEGMENT EXPECTED TO HOLD LARGEST SHARE OF WIRELESS CHARGING MARKET BY 2026

4.4 WIRELESS CHARGING MARKET, BY APPLICATION

FIGURE 16 CONSUMER ELECTRONICS SEGMENT EXPECTED TO HOLD LARGEST SHARE OF WIRELESS CHARGING MARKET BY 2026

4.5 GEOGRAPHIC ANALYSIS OF WIRELESS CHARGING MARKET

FIGURE 17 APAC EXPECTED TO WITNESS HIGHEST CAGR IN WIRELESS

CHARGING MARKET BY 2026

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 WIRELESS CHARGING MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Rising adoption of wireless technology in consumer electronics devices

5.2.1.2 Increasing sales of electric vehicles

5.2.1.3 Simultaneous charging of multiple devices

FIGURE 19 DRIVERS OF WIRELESS CHARGING MARKET AND THEIR IMPACT

5.2.2 RESTRAINTS

5.2.2.1 Compatibility issues restrict adoption of wireless charging devices

5.2.2.2 Declining demand for wireless chargers due to COVID-19

FIGURE 20 RESTRAINTS FOR WIRELESS CHARGING MARKET AND THEIR IMPACT

5.2.3 OPPORTUNITIES

5.2.3.1 Use of wireless technology to charge warehouse trucks

5.2.3.2 Increasing efficiency of wireless charging devices

FIGURE 21 OPPORTUNITIES FOR WIRELESS CHARGING MARKET AND THEIR IMPACT

5.2.4 CHALLENGES

5.2.4.1 Expensive infrastructure needed for dynamic charging

5.2.4.2 Customer preference for traditional charging technology

FIGURE 22 CHALLENGES FOR WIRELESS CHARGING MARKET AND THEIR IMPACT

5.3 VALUE CHAIN ANALYSIS

FIGURE 23 VALUE CHAIN ANALYSIS: WIRELESS CHARGING MARKET

5.4 ECOSYSTEM

FIGURE 24 WIRELESS CHARGING MARKET: ECOSYSTEM

5.5 PORTER'S FIVE FORCE ANALYSIS

TABLE 1 IMPACT OF EACH FORCE ON THE WIRELESS CHARGING MARKET

5.6 CASE STUDY

5.6.1 CHARGIFI LTD. PROVIDES WIRELESS CHARGING FOR ENNISMORE WORKSPACE

5.6.2 WIRELESS CHARGING OF ELECTRIC VEHICLES FOR ELECTRIFIED TRANSPORTATION COMPANY

- 5.6.3 CHARGING OF LINK TRANSIT BUSES WITH MOMENTUM DYNAMICS CHARGING PADS
- 5.7 TECHNOLOGY TRENDS
 - 5.7.1 INTERNET OF THINGS (IOT)
 - 5.7.2 INDUSTRY 4.0
- 5.8 PRICING ANALYSIS
 - 5.8.1 PRICE LIST OF WIRELESS CHARGERS
 - 5.8.2 PRICE LIST OF WIRELESS CHARGING COMPONENTS
- 5.9 TRADE ANALYSIS
- TABLE 2 IMPORT DATA, 2015–2019 (USD MILLION)
- TABLE 3 EXPORT DATA, 2015–2019 (USD MILLION)
- 5.10 PATENT ANALYSIS
- 5.11 MARKET REGULATIONS
 - 5.11.1 QI STANDARD
 - 5.11.2 AIRFUEL ALLIANCE
 - 5.11.2.1 PMA (Power Matters Alliance)
- TABLE 4 FREQUENCY OF STANDARDS
 - 5.11.3 ISO 15118-20
 - 5.11.4 WIRELESS POWER CONSORTIUM
 - 5.11.5 CHINA GB STANDARDS FOR WIRELESS CHARGING OF ELECTRIC VEHICLES
 - 5.11.6 RADIO EQUIPMENT DIRECTIVE
 - 5.11.6.1 EN 301 489-1 & -3 (EMC)
 - 5.11.6.2 ETSI EN 303 417 (Radio)

6 WIRELESS CHARGING MARKET, BY IMPLEMENTATION

- 6.1 INTRODUCTION
 - FIGURE 25 WIRELESS CHARGING MARKET, BY IMPLEMENTATION
 - FIGURE 26 RECEIVERS MARKET EXPECTED TO RECORD HIGHEST CAGR DURING FORECAST PERIOD
 - TABLE 5 WIRELESS CHARGING MARKET, BY IMPLEMENTATION, 2017–2020 (USD MILLION)
 - TABLE 6 WIRELESS CHARGING MARKET, BY IMPLEMENTATION, 2021–2026 (USD MILLION)
- 6.2 TRANSMITTERS
 - 6.2.1 GROWING DEVELOPMENT OF WIRELESS POWER TRANSMISSION ICs EXPECTED TO DRIVE MARKET DURING FORECAST PERIOD
 - TABLE 7 WIRELESS CHARGING MARKET FOR TRANSMITTERS, BY

TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 8 WIRELESS CHARGING MARKET FOR TRANSMITTER, BY TECHNOLOGY, 2021–2026 (USD MILLION)

6.3 RECEIVERS

6.3.1 AFTERMARKET

6.3.1.1 Use of aftermarket receivers to charge smartphones without wireless capability

6.3.2 INTEGRATED

6.3.2.1 Launch of integrated wireless receivers in smartphones expected to drive wireless charging market

TABLE 9 WIRELESS CHARGING MARKET FOR RECEIVERS, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 10 WIRELESS CHARGING MARKET FOR RECEIVERS, BY TECHNOLOGY, 2021–2026 (USD MILLION)

7 WIRELESS CHARGING MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

FIGURE 27 WIRELESS CHARGING MARKET, BY TECHNOLOGY

FIGURE 28 MAGNETIC RESONANCE EXPECTED TO RECORD HIGHEST CAGR DURING FORECAST PERIOD

TABLE 11 WIRELESS CHARGING MARKET, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 12 WIRELESS CHARGING MARKET, BY TECHNOLOGY, 2021–2026 (USD MILLION)

7.2 MAGNETIC RESONANCE

7.2.1 USED TO CHARGE OBJECTS WITH LARGE POWER REQUIREMENTS

TABLE 13 WIRELESS CHARGING MARKET FOR MAGNETIC RESONANCE, BY IMPLEMENTATION, 2017–2020 (USD MILLION)

TABLE 14 WIRELESS CHARGING MARKET FOR MAGNETIC RESONANCE, BY IMPLEMENTATION, 2021–2026 (USD MILLION)

TABLE 15 WIRELESS CHARGING MARKET FOR MAGNETIC RESONANCE, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 16 WIRELESS CHARGING MARKET FOR MAGNETIC RESONANCE, BY APPLICATION, 2021–2026 (USD MILLION)

7.3 INDUCTIVE

7.3.1 ADOPTION OF QI WIRELESS CHARGING BASED ON INDUCTIVE TECHNOLOGY BY LARGE NUMBER OF SMARTPHONE MANUFACTURERS

TABLE 17 WIRELESS CHARGING MARKET FOR INDUCTIVE, BY

IMPLEMENTATION, 2017–2020 (USD MILLION)

TABLE 18 WIRELESS CHARGING MARKET FOR INDUCTIVE, BY
IMPLEMENTATION, 2021–2026 (USD MILLION)

TABLE 19 WIRELESS CHARGING MARKET FOR INDUCTIVE, BY APPLICATION,
2017–2020 (USD MILLION)

TABLE 20 WIRELESS CHARGING MARKET FOR INDUCTIVE, BY APPLICATION,
2021–2026 (USD MILLION)

7.4 RADIO FREQUENCY

7.4.1 GENERALLY USED TO CHARGE SMALL BATTERIES

TABLE 21 WIRELESS CHARGING MARKET FOR RADIO FREQUENCY, BY
IMPLEMENTATION, 2017–2020 (USD MILLION)

TABLE 22 WIRELESS CHARGING MARKET FOR RADIO FREQUENCY, BY
IMPLEMENTATION, 2021–2026 (USD MILLION)

TABLE 23 WIRELESS CHARGING MARKET FOR RADIO FREQUENCY, BY
APPLICATION, 2017–2020 (USD MILLION)

TABLE 24 WIRELESS CHARGING MARKET FOR RADIO FREQUENCY, BY
APPLICATION, 2021–2026 (USD MILLION)

8 WIRELESS CHARGING MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 29 WIRELESS CHARGING MARKET, BY APPLICATION

FIGURE 30 AUTOMOTIVE APPLICATION EXPECTED TO RECORD HIGHEST CAGR
DURING FORECAST PERIOD

TABLE 25 WIRELESS CHARGING MARKET, BY APPLICATION, 2017–2020 (USD
MILLION)

TABLE 26 WIRELESS CHARGING MARKET, BY APPLICATION, 2021–2026 (USD
MILLION)

8.2 AUTOMOTIVE

8.2.1 INCREASING SALES OF ELECTRIC VEHICLES EXPECTED TO
DRIVE MARKET GROWTH BY 2026

8.2.1.1 Electric Vehicles

TABLE 27 WIRELESS CHARGING MARKET FOR AUTOMOTIVE, BY TECHNOLOGY,
2017–2020 (USD MILLION)

TABLE 28 WIRELESS CHARGING MARKET FOR AUTOMOTIVE, BY TECHNOLOGY,
2021–2026 (USD MILLION)

TABLE 29 WIRELESS CHARGING MARKET FOR AUTOMOTIVE, BY REGION,
2017–2020 (USD MILLION)

TABLE 30 WIRELESS CHARGING MARKET FOR AUTOMOTIVE, BY REGION,

2021–2026 (USD MILLION)

TABLE 31 NORTH AMERICAN WIRELESS CHARGING MARKET FOR
AUTOMOTIVE, 2017–2020 (USD MILLION)

TABLE 32 NORTH AMERICAN WIRELESS CHARGING MARKET FOR
AUTOMOTIVE, 2021–2026 (USD MILLION)

TABLE 33 EUROPEAN WIRELESS CHARGING MARKET FOR AUTOMOTIVE,
2017–2020 (USD MILLION)

TABLE 34 EUROPEAN WIRELESS CHARGING MARKET FOR AUTOMOTIVE,
2021–2026 (USD MILLION)

TABLE 35 APAC WIRELESS CHARGING MARKET FOR AUTOMOTIVE, 2017–2020
(USD MILLION)

TABLE 36 APAC WIRELESS CHARGING MARKET FOR AUTOMOTIVE, 2021–2026
(USD MILLION)

TABLE 37 ROW WIRELESS CHARGING MARKET FOR AUTOMOTIVE, 2021–2026
(USD MILLION)

8.3 CONSUMER ELECTRONICS

8.3.1 HOLDS LARGEST SHARE OF GLOBAL WIRELESS CHARGING MARKET

8.3.1.1 Smartphones and Tablets

8.3.1.2 Laptops and Notebooks

8.3.1.3 Wearables

8.3.1.4 Kitchen Appliances

8.3.1.5 Others

TABLE 38 WIRELESS CHARGING MARKET FOR CONSUMER ELECTRONICS, BY
TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 39 WIRELESS CHARGING MARKET FOR CONSUMER ELECTRONICS, BY
TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 40 WIRELESS CHARGING MARKET FOR CONSUMER ELECTRONICS, BY
REGION, 2017–2020 (USD MILLION)

TABLE 41 WIRELESS CHARGING MARKET FOR CONSUMER ELECTRONICS, BY
REGION, 2021–2026 (USD MILLION)

TABLE 42 NORTH AMERICAN WIRELESS CHARGING MARKET FOR CONSUMER
ELECTRONICS, 2017–2020 (USD MILLION)

TABLE 43 NORTH AMERICAN WIRELESS CHARGING MARKET FOR CONSUMER
ELECTRONICS, 2021–2026 (USD MILLION)

TABLE 44 EUROPEAN WIRELESS CHARGING MARKET FOR CONSUMER
ELECTRONICS, 2017–2020 (USD MILLION)

TABLE 45 EUROPEAN WIRELESS CHARGING MARKET FOR CONSUMER
ELECTRONICS, 2021–2026 (USD MILLION)

TABLE 46 APAC WIRELESS CHARGING MARKET FOR CONSUMER

ELECTRONICS, 2017–2020 (USD MILLION)

TABLE 47 APAC WIRELESS CHARGING MARKET FOR CONSUMER

ELECTRONICS, 2021–2026 (USD MILLION)

TABLE 48 ROW WIRELESS CHARGING MARKET FOR CONSUMER

ELECTRONICS, 2017–2020 (USD MILLION)

TABLE 49 ROW WIRELESS CHARGING MARKET FOR CONSUMER

ELECTRONICS, 2021–2026 (USD MILLION)

8.4 HEALTHCARE

8.4.1 GROWING AVAILABILITY OF HANDHELD MEDICAL EQUIPMENT EXPECTED TO DRIVE MARKET GROWTH

8.4.1.1 Hearing Aids

8.4.1.2 Glucose Monitors

8.4.1.3 Smart Glasses

TABLE 50 WIRELESS CHARGING MARKET FOR HEALTHCARE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 51 WIRELESS CHARGING MARKET FOR HEALTHCARE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 52 WIRELESS CHARGING MARKET FOR HEALTHCARE, BY REGION, 2017–2020 (USD MILLION)

TABLE 53 WIRELESS CHARGING MARKET FOR HEALTHCARE, BY REGION, 2021–2026 (USD MILLION)

TABLE 54 NORTH AMERICAN WIRELESS CHARGING MARKET FOR HEALTHCARE, 2017–2020 (USD MILLION)

TABLE 55 NORTH AMERICAN WIRELESS CHARGING MARKET FOR HEALTHCARE, 2021–2026 (USD MILLION)

TABLE 56 EUROPEAN WIRELESS CHARGING MARKET FOR HEALTHCARE, 2017–2020 (USD MILLION)

TABLE 57 EUROPEAN WIRELESS CHARGING MARKET FOR HEALTHCARE, 2021–2026 (USD MILLION)

TABLE 58 APAC WIRELESS CHARGING MARKET FOR HEALTHCARE, 2017–2020 (USD MILLION)

TABLE 59 APAC WIRELESS CHARGING MARKET FOR HEALTHCARE, 2021–2026 (USD MILLION)

TABLE 60 ROW WIRELESS CHARGING MARKET FOR HEALTHCARE, 2021–2026 (USD MILLION)

8.5 OTHERS

8.5.1 INDUSTRIAL

8.5.1.1 Power Tools

8.5.1.1.1 Increasing demand for cordless power tools to

drive market growth

8.5.1.2 Industrial Vehicles (Drones and Mobile Robots)

8.5.1.2.1 High growth in autonomous and commercial drones

TABLE 61 WIRELESS CHARGING MARKET FOR OTHERS, BY TECHNOLOGY,
2017–2020 (USD MILLION)

TABLE 62 WIRELESS CHARGING MARKET FOR OTHERS, BY TECHNOLOGY,
2021–2026 (USD MILLION)

TABLE 63 WIRELESS CHARGING MARKET FOR OTHERS, BY REGION, 2017–2020
(USD MILLION)

TABLE 64 WIRELESS CHARGING MARKET FOR OTHERS, BY REGION, 2021–2026
(USD MILLION)

TABLE 65 NORTH AMERICAN WIRELESS CHARGING MARKET FOR OTHERS,
2017–2020 (USD MILLION)

TABLE 66 NORTH AMERICAN WIRELESS CHARGING MARKET FOR OTHERS,
2021–2026 (USD MILLION)

TABLE 67 EUROPEAN WIRELESS CHARGING MARKET FOR OTHERS, 2017–2020
(USD MILLION)

TABLE 68 EUROPEAN WIRELESS CHARGING MARKET FOR OTHERS, 2021–2026
(USD MILLION)

TABLE 69 APAC WIRELESS CHARGING MARKET FOR OTHERS, 2017–2020 (USD
THOUSAND)

TABLE 70 APAC WIRELESS CHARGING MARKET FOR OTHERS, 2021–2026 (USD
THOUSAND)

TABLE 71 ROW WIRELESS CHARGING MARKET FOR OTHERS, 2021–2026 (USD
THOUSAND)

8.5.2 AEROSPACE

8.5.2.1 Wireless charging eliminates use of heavy batteries in
military applications

8.5.2.1.1 Military Devices

8.5.2.1.2 Aircraft

9 GEOGRAPHIC ANALYSIS

9.1 INTRODUCTION

FIGURE 31 WIRELESS CHARGING MARKET, BY REGION

FIGURE 32 WIRELESS CHARGING MARKET IN APAC TO RECORD HIGHEST
CAGR

FROM 2020 TO 2026

TABLE 72 WIRELESS CHARGING MARKET, BY REGION, 2017–2020 (USD

MILLION)

TABLE 73 WIRELESS CHARGING MARKET, BY REGION, 2021–2026 (USD MILLION)

9.2 NORTH AMERICA

FIGURE 33 SNAPSHOT: WIRELESS CHARGING MARKET IN NORTH AMERICA

TABLE 74 WIRELESS CHARGING MARKET IN NORTH AMERICA, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 75 WIRELESS CHARGING MARKET IN NORTH AMERICA, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 76 WIRELESS CHARGING MARKET IN NORTH AMERICA, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 77 WIRELESS CHARGING MARKET IN NORTH AMERICA, BY APPLICATION, 2021–2026 (USD MILLION)

9.2.1 US

9.2.1.1 Presence of various end-user industries as well as market players to drive market growth

9.2.2 CANADA

9.2.2.1 Government initiatives expected to drive wireless charging market

9.2.3 MEXICO

9.2.3.1 Automotive industry to fuel market growth

9.3 EUROPE

FIGURE 34 SNAPSHOT: WIRELESS CHARGING MARKET IN EUROPE

TABLE 78 WIRELESS CHARGING MARKET IN EUROPE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 79 WIRELESS CHARGING MARKET IN EUROPE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 80 WIRELESS CHARGING MARKET IN EUROPE, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 81 WIRELESS CHARGING MARKET IN EUROPE, BY APPLICATION, 2021–2026 (USD MILLION)

9.3.1 UK

9.3.1.1 Government initiatives to boost market growth

9.3.2 GERMANY

9.3.2.1 Fastest-growing market in Europe

9.3.3 ITALY

9.3.3.1 Rising investment in wireless charging technology

9.3.4 REST OF EUROPE

9.4 APAC

FIGURE 35 SNAPSHOT: WIRELESS CHARGING MARKET IN APAC

TABLE 82 WIRELESS CHARGING MARKET IN APAC, BY COUNTRY, 2017–2020
(USD MILLION)

TABLE 83 WIRELESS CHARGING MARKET IN APAC, BY COUNTRY, 2021–2026
(USD MILLION)

TABLE 84 WIRELESS CHARGING MARKET IN APAC, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 85 WIRELESS CHARGING MARKET IN APAC, BY APPLICATION, 2021–2026
(USD MILLION)

9.4.1 CHINA

9.4.1.1 Largest market for wireless charging in region

9.4.2 JAPAN

9.4.2.1 Development of electric vehicle infrastructure to
accelerate market growth

9.4.3 INDIA

9.4.3.1 Increasing investments to boost market

9.4.4 REST OF APAC

9.5 REST OF THE WORLD

TABLE 86 WIRELESS CHARGING MARKET IN ROW, BY REGION, 2017–2020 (USD
MILLION)

TABLE 87 WIRELESS CHARGING MARKET IN ROW, BY REGION, 2021–2026 (USD
MILLION)

TABLE 88 WIRELESS CHARGING MARKET IN ROW, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 89 WIRELESS CHARGING MARKET IN ROW, BY APPLICATION, 2021–2026
(USD MILLION)

9.5.1 MIDDLE EAST & AFRICA

9.5.1.1 Government initiatives to encourage market

9.5.2 SOUTH AMERICA

9.5.2.1 Development in automotive industry to fuel growth of
wireless charging market

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 TOP 5 COMPANIES REVENUE ANALYSIS

FIGURE 36 WIRELESS CHARGING MARKET: REVENUE ANALYSIS (2020)

10.3 MARKET SHARE ANALYSIS, 2020

FIGURE 37 MARKET SHARE OF TOP 5 PLAYERS IN WIRELESS CHARGING
MARKET, 2020

10.4 COMPANY EVALUATION QUADRANT, 2020

10.4.1 STAR

10.4.2 EMERGING

10.4.3 PERVASIVE

10.4.4 PARTICIPANT

FIGURE 38 WIRELESS CHARGING MARKET (GLOBAL) COMPANY EVALUATION QUADRANT, 2020

10.5 SMALL AND MEDIUM ENTERPRISES (SME) EVALUATION QUADRANT, 2020

10.5.1 PROGRESSIVE COMPANIES

10.5.2 RESPONSIVE COMPANIES

10.5.3 DYNAMIC COMPANIES

10.5.4 STARTING BLOCKS

FIGURE 39 START-UP: WIRELESS CHARGING MARKET (GLOBAL) COMPANY EVALUATION QUADRANT, 2020

10.6 WIRELESS CHARGING MARKET: PRODUCT FOOTPRINT

TABLE 90 PRODUCT FOOTPRINT OF COMPANIES

TABLE 91 APPLICATION FOOTPRINT OF COMPANIES

TABLE 92 REGIONAL FOOTPRINT OF COMPANIES

10.7 COMPETITIVE SITUATION & TRENDS

TABLE 93 WIRELESS CHARGING MARKET: PRODUCT LAUNCHES

TABLE 94 WIRELESS CHARGING MARKET: DEALS

11 COMPANY PROFILES

11.1 KEY PLAYERS: MANUFACTURERS

(Business Overview, Products Offered, Recent Developments, and MnM View)*

11.1.1 ENERGIZER

FIGURE 40 ENERGIZER: COMPANY SNAPSHOT

11.1.2 SAMSUNG

FIGURE 41 SAMSUNG: COMPANY SNAPSHOT

11.1.3 EVATRAN GROUP

TABLE 95 EVATRAN: BUSINESS OVERVIEW

11.1.4 OSSIA

TABLE 96 OSSIA INC.: BUSINESS OVERVIEW

11.1.5 LEGGETT & PLATT

FIGURE 42 LEGGETT & PLATT: COMPANY SNAPSHOT

11.1.6 POWERMAT

TABLE 97 POWERMAT: BUSINESS OVERVIEW

11.2 KEY PLAYERS: TECHNOLOGY PROVIDERS

11.2.1 QUALCOMM

FIGURE 43 QUALCOMM: COMPANY SNAPSHOT

11.2.2 INFINEON TECHNOLOGIES

FIGURE 44 INFINEON TECHNOLOGIES: COMPANY SNAPSHOT

11.2.3 MURATA MANUFACTURING

FIGURE 45 MURATA MANUFACTURING: COMPANY SNAPSHOT

11.2.4 WITRICITY

TABLE 98 WITRICITY: BUSINESS OVERVIEW

11.2.5 CONVENIENTPOWER

TABLE 99 CONVENIENTPOWER: BUSINESS OVERVIEW

11.2.6 RENESAS ELECTRONICS

FIGURE 46 RENESAS ELECTRONICS: COMPANY SNAPSHOT

11.2.7 SEMTECH

FIGURE 47 SEMTECH: COMPANY SNAPSHOT

11.2.8 TEXAS INSTRUMENTS INCORPORATED

FIGURE 48 TEXAS INSTRUMENTS INCORPORATED: COMPANY SNAPSHOT

* Business Overview, Products Offered, Recent Developments, and MnM View might not be captured in case of unlisted companies.

11.3 OTHER PROMINENT PLAYERS

11.3.1 CHARGIFI LTD.

11.3.2 WIBOTIC

11.3.3 WIFERION GMBH

11.3.4 MOMENTUM WIRELESS POWER

11.3.5 POWERCAST

11.3.6 POWERSPHYR

11.3.7 ENERGOUS

11.3.8 SONIC ENERGY

11.3.9 NUCURRENT

11.3.10 ZENS

11.3.11 ELIX WIRELESS

11.3.12 WI-CHARGE

12 ADJACENT & RELATED MARKETS

12.1 INTRODUCTION

12.2 LIMITATIONS

12.3 LITHIUM-ION BATTERY, BY TYPE

TABLE 100 LITHIUM-ION BATTERY MARKET BY TYPE, 2017–2025 (USD MILLION)

12.4 LITHIUM NICKEL MANGANESE COBALT OXIDE (LI-NMC)

12.4.1 HIGH ENERGY DENSITY BOOSTS THE DEMAND FOR NMC BATTERIES
TABLE 101 LITHIUM-ION BATTERY MARKET FOR LI-NMC BY INDUSTRY,
2017–2025 (USD MILLION)

TABLE 102 LITHIUM-ION BATTERY MARKET FOR LI-NMC, BY REGION, 2017–2025
(USD MILLION)

12.5 LITHIUM IRON PHOSPHATE (LFP)

12.5.1 HIGH POWER DENSITY AND STABILITY BOOSTS
THE ADOPTION OF LFP BATTERIES

TABLE 103 LITHIUM-ION BATTERY MARKET FOR LFP, BY INDUSTRY, 2017–2025
(USD MILLION)

TABLE 104 LITHIUM-ION BATTERY MARKET FOR LFP, BY REGION, 2017–2025
(USD MILLION)

12.6 LITHIUM COBALT OXIDE (LCO)

12.6.1 HIGH ENERGY DENSITY INCREASES THE DEMAND FOR LCO BATTERIES
TABLE 105 LITHIUM-ION BATTERY MARKET FOR LCO, BY INDUSTRY, 2017–2025
(USD MILLION)

TABLE 106 LITHIUM-ION BATTERY MARKET FOR LCO, BY REGION, 2017–2025
(USD MILLION)

12.7 LITHIUM TITANATE OXIDE (LTO)

12.7.1 HIGH STABILITY, ENERGY AND POWER DENSITY EXPECTED TO
CREATE DEMAND FOR LTO BATTERIES

TABLE 107 LITHIUM-ION BATTERY MARKET FOR LTO, BY INDUSTRY, 2017–2025
(USD MILLION)

TABLE 108 LITHIUM-ION BATTERY MARKET FOR LTO, BY REGION, 2017–2025
(USD MILLION)

12.8 LITHIUM MANGANESE OXIDE (LMO)

12.8.1 COST FACTOR BOOSTS THE GROWTH OF LMO BATTERIES
TABLE 109 LITHIUM-ION BATTERY MARKET FOR LMO, BY INDUSTRY, 2017–2025
(USD MILLION)

TABLE 110 LITHIUM-ION BATTERY MARKET FOR LMO, BY REGION, 2017–2025
(USD MILLION)

12.9 LITHIUM NICKEL COBALT ALUMINUM OXIDE (NCA)

12.9.1 HIGH ENERGY DENSITY OF NCA BATTERIES INCREASES DEMAND IN
AUTOMOTIVE INDUSTRY

TABLE 111 LITHIUM-ION BATTERY MARKET FOR NCA, BY INDUSTRY, 2017–2025
(USD MILLION)

TABLE 112 LITHIUM-ION BATTERY MARKET FOR NCA, BY REGION, 2017–2025
(USD MILLION)

13 APPENDIX

13.1 DISCUSSION GUIDE—WIRELESS CHARGING MARKET

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 AVAILABLE CUSTOMIZATIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

About

Wireless charging technology is used for the transmission of electrical current between two objects without any physical connection. The electrical current is used to charge the devices which are near the power source. The receiving electronic devices can be from any range of application including wearable electronics or smartphones, to an industrial forklift. The growing demand for wireless charging technology is due to its features which provide ease and convenience to the end user. Wireless charging has eliminated the use of cables for charging the devices and has provided a convenient way to charge the electronic devices wirelessly.

The wireless charging market was valued at \$XX million in 2013 and is expected to reach \$XX million by 2020, at a CAGR of XX% between 2014 and 2020. The growth of wireless charging market is driven by factors such as user friendliness, growing demand for smartphones and the ability to charge multiple devices at the same time. The major restrains include: lack of standards and interference with other electronic devices. Increasing efficiency of wireless charging devices and rise in new applications constitute the key opportunities with regards to the wireless charging market. Compatibility issues, inadequate government regulation, and lack of awareness are considered to be the key challenges for this market.

In this report, the wireless charging market has been broadly segmented into consumer electronics, defense, healthcare, automotive, industrial, and others. The consumer electronics segment was valued at \$XX million in 2013 for the wireless charging market and is expected to reach \$XX million by 2020, at a highest CAGR of XX% between 2014 and 2020. The rise in technological advancements, demand for smartphones, and inclination of consumers towards the wireless charging technology are some of the key factors stimulating the growth of the consumer electronics segment.

The wireless charging market is broadly classified into inductive charging technology and radiation charging technology. The inductive charging technology accounted for the larger market size of XX% of the wireless charging market, in 2013. The inductive charging technology is expected grow as it features durability, efficiency, and offers convenient charging at short distances. It is majorly used in the consumer electronics market for short range transmission for devices such as smartphones and wearable electronics, among others. . It has been estimated that in future, almost all the wireless charging enabled devices would run on standards developed by Alliance for Wireless Power (A4WP) and Power Matters Alliance (PMA), and would be based on inductive

charging technology. Radiation technology and other technology have very low market sizes in terms of value. Other technology includes wireless charging based on laser technology which has the ability to transmit power over longer distance. This means that power can be received for example, by an unmanned aerial vehicle (UAV) from a transmitter situated on the ground

On the basis of transmission range, the wireless charging market has been segmented into short range, medium range, and long range. The short range transmission type accounted for the larger market size of XX% of the wireless charging transmission market in 2013; whereas the market of long range is expected to grow at a higher CAGR of XX% between 2014 and 2020.

Asia-Pacific (comprising Japan, China, India, and Australia) accounted for the largest market share of XX% in the wireless charging market, in 2013. Factors such as a huge urban population and rapid adoption rate of advanced technologies, and user friendliness of the said technology along with, increasing consumer inclination towards wireless charging in China and Japan is driving the growth of the Asia-Pacific wireless charging market. The North American regions are expected to grow at the highest CAGR of XX%, in the next six years. The growth of the wireless charging market in the North American region is propelled mainly by factors such the implementation of wireless charging infrastructure, among others.

The wireless charging market is not very competitive due to the fact that this technology is still developing, standards have not been published, and there is still a huge opportunity to develop products in various applications. The wireless charging market is dominated by players which include ConvenientPower HK Ltd. (Hong Kong), Energizer Holding, Inc. (U.S.), Integrated Device Technology Inc. (U.S.), Leggett and Platt Inc. (U.S.), Murata Manufacturing Co. Ltd. (Japan), PowerbyProxi Ltd. (New Zealand), Powermat Technologies Ltd. (Israel), Qualcomm Incorporated (U.S.), Texas Instruments Incorporated (U.S.), and WiTricity Corporation (U.S.). These companies operate globally and utilize wireless charging technology related products and services for various applications.

I would like to order

Product name: Wireless Charging Market with COVID-19 Impact by Implementation (Transmitters, Receivers), Technology (Magnetic Resonance, Inductive, Radio Frequency), Application (Consumer Electronics, Healthcare, Automotive), and Region - Global Forecast to 2026

Product link: <https://marketpublishers.com/r/P89B3DDBE84EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P89B3DDBE84EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970