

Power Electronics Market by Device Type (Power Discrete, Power Module, and Power IC), Material (Silicon Carbide, Gallium Nitride, Sapphire, and Other), and Application (Power Management, UPS, Renewable, and Others), and End User (Telecommunication, Industrial, Automotive, Consumer Electronics, Military & Defense, Energy & Power, and Other): Global Opportunity Analysis and Industry Forecast, 2020–2027

<https://marketpublishers.com/r/GD1CF201497EN.html>

Date: June 2020

Pages: 334

Price: US\$ 4,615.00 (Single User License)

ID: GD1CF201497EN

Abstracts

The global power electronics market size is expected to reach \$36.64 billion by 2027 from \$23.25 billion in 2019, growing at a CAGR of 5.7% from 2020 to 2027.

Power module is a set of power components integrated in power semiconductor devices. Power devices can attain extremely low resistance and high-frequency switching. These properties are exploited in high-efficiency power supplies, electric vehicles (EVs), hybrid electric vehicles (HEVs), photovoltaic inverters, and RF switching. These devices are applicable in power supplies for server, IT equipment, high-efficiency & stable power supplies, and EV & HEV devices. This is attributed to the fact that these devices facilitate control and conversion of electrical power effectively and efficiently.

The prominent factors that drive the power electronics market growth include increase in demand for power electronics component across various industry verticals, increase in adoption of SiC power devices, surge in need for power management devices, and rise in adoption of power electronics components in electric vehicles. Moreover, surge in

demand for SiC-based photovoltaic cells in the developing countries, including China, Brazil, and India, fuels the growth of the global market. However, complex integration process of advanced electronics devices restrains the growth of the market, globally. This is attributed to the fact that their complex design requires robust methodology, skillsets, and different toolset for integration, which incur additional costs. This high cost of devices restrains their adoption among users, thereby hampering the market growth. Moreover, rise in demand for plug-in electric vehicles (PEVs) and innovation in power metal-oxide-semiconductor field-effect transistor (MOSFET) are anticipated to provide lucrative opportunities for expansion of the power electronics market.

The global power electronics market is segmented into device type, material, application, end user, and region. Depending on device type, the market is classified into power discrete, power module, and power IC. By material, it is categorized into silicon carbide, gallium nitride, sapphire, and other. The applications covered in the study include power management, UPS, renewable, and others. On the basis of industry vertical, the market is divided into telecommunication, industrial, automotive, renewable, consumer & enterprise, military & defense, energy & power, and others.

Region wise, the power electronics market trends are analyzed across North America (U.S., Canada, and Mexico), Europe (UK, Germany, France, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa). North America accounted for the highest share, owing to the expansion of the electronics market and rise in sales of EVs.

The key players operating in the market includes ABB Group, Fuji Electric Co, LTD, Infineon Technologies AG, Microsemi Corporation, Mitsubishi, Renesas Electronics Corporation, Rockwell Automation, STMicroelectronics, Texas Instruments Incorporated, and Toshiba Corporation are provided in this report.

KEY BENEFITS FOR STAKEHOLDERS

This study presents the analytical depiction of the global power electronics industry along with the current trends and future estimations to determine the imminent investment pockets.

The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the global power electronics market share.

The current market is quantitatively analyzed from 2020 to 2027 to highlight the global power electronics market growth scenario.

Porter's five forces analysis illustrates the potency of buyers & suppliers in the market.

The report provides a detailed market analysis depending on competitive intensity and how the competition will take shape in coming years.

KEY MARKET SEGMENTS

BY DEVICE TYPE

Power Discrete

- Diode

- Transistors

- Thyristor

Power Module

- Intelligent Power Module

- Power Integrated Module

Power IC

- Power Management IC

- Application Specific IC

BY MATERIAL

- Silicon Carbide

Gallium Nitride

Sapphire

Other

BY APPLICATION

Power Management

UPS

Renewable

Other

BY END USER

Telecommunication

Industrial

Automotive

Consumer Electronics

Military & Defense

Energy & Power

Others

BY REGION

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY PLAYERS

Power Electronics Market by Device Type (Power Discrete, Power Module, and Power IC), Material (Silicon Carbid...

ABB Group

Fuji Electric Co, LTD

Infineon Technologies AG

Microsemi Corporation

Mitsubishi

Renesas Electronics Corporation

Rockwell Automation

STMicroelectronics

Texas Instruments Incorporated

Toshiba Corporation

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
 - 1.4.1. Primary research
 - 1.4.2. Secondary research
 - 1.4.3. Analyst tools and models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
 - 3.2.1. Top impacting factors
 - 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
 - 3.3.1. Moderate-to-high bargaining power of suppliers
 - 3.3.2. Moderate threat of new entrants
 - 3.3.3. Moderate threat of substitutes
 - 3.3.4. Moderate-to-high intensity of rivalry
 - 3.3.5. Moderate-to-high bargaining power of buyers
- 3.4. Patent analysis
 - 3.4.1. By region, 2011–2019
 - 3.4.2. By applicant 2011–2019
- 3.5. Market dynamics
 - 3.5.1. Drivers
 - 3.5.1.1. Increase in demand for power electronics component across various industry verticals
 - 3.5.1.2. Rise in need for power management devices
 - 3.5.1.3. Rise in integration of power electronics components in electric vehicles
 - 3.5.2. Restraint
 - 3.5.2.1. Complex integration process of advanced electronics devices

3.5.3. Opportunities

3.5.3.1. Rise in demand for plug-in electric vehicles (PEVs)

3.5.3.2. Innovation in power metal–oxide–semiconductor field-effect transistor (MOSFET)

CHAPTER 4: POWER ELECTRONICS MARKET, BY DEVICE TYPE

4.1. Overview

4.2. Power discrete

4.2.1. Key market trends, growth factors, and opportunities

4.2.1.1. Diode

4.2.1.2. Transistors

4.2.1.3. Thyristor

4.2.2. Market size and forecast, by region

4.2.3. Market analysis, by country

4.3. Power modules

4.3.1. Key market trends, growth factors, and opportunities

4.3.1.1. Intelligent power module

4.3.1.2. Power integrated module

4.3.2. Market size and forecast, by region

4.3.3. Market analysis, by country

4.4. Power IC

4.4.1. Key market trends, growth factors, and opportunities

4.4.1.1. Power management integrated circuit (PMIC)

4.4.1.2. Application-specific integrated circuit (ASIC)

4.4.2. Market size and forecast, by region

4.4.3. Market analysis, by country

CHAPTER 5: POWER ELECTRONICS MARKET, BY MATERIAL

5.1. Overview

5.2. Silicon carbide (SiC)

5.2.1. Key market trends, growth factors, and opportunities

5.2.2. Market size and forecast, by region

5.2.3. Market analysis, by country

5.3. Gallium nitride (GaN)

5.3.1. Key market trends, growth factors, and opportunities

5.3.2. Market size and forecast, by region

5.3.3. Market analysis, by country

5.4. Sapphire

- 5.4.1. Key market trends, growth factors, and opportunities
- 5.4.2. Market size and forecast, by region
- 5.4.3. Market analysis, by country

5.5. Others

- 5.5.1. Key market trends, growth factors, and opportunities
- 5.5.2. Market size and forecast, by region
- 5.5.3. Market analysis, by country

CHAPTER 6: POWER ELECTRONICS MARKET, BY APPLICATION

6.1. Overview

6.2. Power management

- 6.2.1. Key market trends, growth factors, and opportunities
- 6.2.2. Market size and forecast, by region
- 6.2.3. Market analysis, by country

6.3. UPS

- 6.3.1. Key market trends, growth factors, and opportunities
- 6.3.2. Market size and forecast, by region
- 6.3.3. Market analysis, by country

6.4. Renewable

- 6.4.1. Key market trends, growth factors, and opportunities
- 6.4.2. Market size and forecast, by region
- 6.4.3. Market analysis, by country

6.5. Others

- 6.5.1. Key market trends, growth factors, and opportunities
- 6.5.2. Market size and forecast, by region
- 6.5.3. Market analysis, by country

CHAPTER 7: POWER ELECTRONICS MARKET, BY END USER

7.1. Overview

7.2. Telecommunication

- 7.2.1. Key market trends, growth factors, and opportunities
- 7.2.2. Market size and forecast, by region
- 7.2.3. Market analysis, by country

7.3. Industrial

- 7.3.1. Key market trends, growth factors, and opportunities
- 7.3.2. Market size and forecast, by region

- 7.3.3. Market analysis, by country
- 7.4. Automotive
 - 7.4.1. Key market trends, growth factors, and opportunities
 - 7.4.2. Market size and forecast, by region
 - 7.4.3. Market analysis, by country
- 7.5. Consumer electronics
 - 7.5.1. Key market trends, growth factors, and opportunities
 - 7.5.2. Market size and forecast, by region
 - 7.5.3. Market analysis, by country
- 7.6. Military & defense
 - 7.6.1. Key market trends, growth factors, and opportunities
 - 7.6.2. Market size and forecast, by region
 - 7.6.3. Market analysis, by country
- 7.7. Energy & power
 - 7.7.1. Key market trends, growth factors, and opportunities
 - 7.7.2. Market size and forecast, by region
 - 7.7.3. Market analysis, by country
- 7.8. Others
 - 7.8.1. Key market trends, growth factors, and opportunities
 - 7.8.2. Market size and forecast, by region
 - 7.8.3. Market analysis, by country

CHAPTER 8: POWER ELECTRONICS MARKET, BY REGION

- 8.1. Overview
- 8.2. North America
 - 8.2.1. Key market trends, growth factors, and opportunities
 - 8.2.2. Market size and forecast, by device type
 - 8.2.3. Market size and forecast, by material
 - 8.2.4. Market size and forecast, by application
 - 8.2.5. Market size and forecast, by End user
 - 8.2.6. Market analysis, by country
 - 8.2.6.1. U.S.
 - 8.2.6.1.1. Market size and forecast, by device type
 - 8.2.6.1.2. Market size and forecast, by material
 - 8.2.6.1.3. Market size and forecast, by application
 - 8.2.6.1.4. Market size and forecast, by end user
 - 8.2.6.2. Canada
 - 8.2.6.2.1. Market size and forecast, by device type

- 8.2.6.2.2. Market size and forecast, by material
- 8.2.6.2.3. Market size and forecast, by Application
- 8.2.6.2.4. Market size and forecast, by end user
- 8.2.6.3. Mexico
 - 8.2.6.3.1. Market size and forecast, by device type
 - 8.2.6.3.2. Market size and forecast, by material
 - 8.2.6.3.3. Market size and forecast, by application
 - 8.2.6.3.4. Market size and forecast, by end user

8.3. Europe

- 8.3.1. Key market trends, growth factors, and opportunities
- 8.3.2. Market size and forecast, by device type
- 8.3.3. Market size and forecast, by material
- 8.3.4. Market size and forecast, by application
- 8.3.5. Market size and forecast, by end user
- 8.3.6. Market analysis, by country
 - 8.3.6.1. UK
 - 8.3.6.1.1. Market size and forecast, by device type
 - 8.3.6.1.2. Market size and forecast, by material
 - 8.3.6.1.3. Market size and forecast, by application
 - 8.3.6.1.4. Market size and forecast, by end user
 - 8.3.6.2. Germany
 - 8.3.6.2.1. Market size and forecast, by device type
 - 8.3.6.2.2. Market size and forecast, by material
 - 8.3.6.2.3. Market size and forecast, by application
 - 8.3.6.2.4. Market size and forecast, by end user
 - 8.3.6.3. France
 - 8.3.6.3.1. Market size and forecast, by device type
 - 8.3.6.3.2. Market size and forecast, by material
 - 8.3.6.3.3. Market size and forecast, by application
 - 8.3.6.3.4. Market size and forecast, by end user
 - 8.3.6.4. Rest of Europe
 - 8.3.6.4.1. Market size and forecast, by device type
 - 8.3.6.4.2. Market size and forecast, by material
 - 8.3.6.4.3. Market size and forecast, by application
 - 8.3.6.4.4. Market size and forecast, by end user

8.4. Asia-Pacific

- 8.4.1. Key market trends, growth factors, and opportunities
- 8.4.2. Market size and forecast, by device type
- 8.4.3. Market size and forecast, by material

8.4.4. Market size and forecast, by application

8.4.5. Market size and forecast, by end user

8.4.6. Market analysis, by country

8.4.6.1. China

8.4.6.1.1. Market size and forecast, by device type

8.4.6.1.2. Market size and forecast, by material

8.4.6.1.3. Market size and forecast, by application

8.4.6.1.4. Market size and forecast, by end user

8.4.6.2. Japan

8.4.6.2.1. Market size and forecast, by device type

8.4.6.2.2. Market size and forecast, by material

8.4.6.2.3. Market size and forecast, by application

8.4.6.2.4. Market size and forecast, by end user

8.4.6.3. India

8.4.6.3.1. Market size and forecast, by device type

8.4.6.3.2. Market size and forecast, by material

8.4.6.3.3. Market size and forecast, by application

8.4.6.3.4. Market size and forecast, by end user

8.4.6.4. South Korea

8.4.6.4.1. Market size and forecast, by device type

8.4.6.4.2. Market size and forecast, by material

8.4.6.4.3. Market size and forecast, by application

8.4.6.4.4. Market size and forecast, by end user

8.4.6.5. Rest of Asia-Pacific

8.4.6.5.1. Market size and forecast, by device type

8.4.6.5.2. Market size and forecast, by material

8.4.6.5.3. Market size and forecast, by application

8.4.6.5.4. Market size and forecast, by end user

8.5. LAMEA

8.5.1. Key market trends, growth factors, and opportunities

8.5.2. Market size and forecast, by device type

8.5.3. Market size and forecast, by material

8.5.4. Market size and forecast, by application

8.5.5. Market size and forecast, by end user

8.5.6. Market analysis, by country

8.5.6.1. Latin America

8.5.6.1.1. Market size and forecast, by device type

8.5.6.1.2. Market size and forecast, by material

8.5.6.1.3. Market size and forecast, by application

- 8.5.6.1.4. Market size and forecast, by end user
- 8.5.6.2. Middle East
 - 8.5.6.2.1. Market size and forecast, by device type
 - 8.5.6.2.2. Market size and forecast, by material
 - 8.5.6.2.3. Market size and forecast, by application
 - 8.5.6.2.4. Market size and forecast, by end user
- 8.5.6.3. Africa
 - 8.5.6.3.1. Market size and forecast, by device type
 - 8.5.6.3.2. Market size and forecast, by material
 - 8.5.6.3.3. Market size and forecast, by application
 - 8.5.6.3.4. Market size and forecast, by end user

CHAPTER 9: COMPETITIVE LANDSCAPE

- 9.1. Introduction
 - 9.1.1. Market player positioning, 2019
- 9.2. Top winning strategies
- 9.3. Product mapping of top 10 player
- 9.4. Competitive dashboard
- 9.5. Competitive heatmap

CHAPTER 10: COMPANY PROFILES

- 10.1. ABB, Ltd.
 - 10.1.1. Company overview
 - 10.1.2. Company snapshot
 - 10.1.3. Operating business segments
 - 10.1.4. Product portfolio
 - 10.1.5. R&D expenditure
 - 10.1.6. Business performance
 - 10.1.7. Key strategic moves and developments
- 10.2. FUJI ELECTRIC CO, LTD.
 - 10.2.1. Company overview
 - 10.2.2. Company snapshot
 - 10.2.3. Operating business segments
 - 10.2.4. Product portfolio
 - 10.2.5. R&D expenditure
 - 10.2.6. Business performance
 - 10.2.7. Key strategic moves and developments

10.3. INFINEON TECHNOLOGIES AG

- 10.3.1. Company overview
- 10.3.2. Company snapshot
- 10.3.3. Operating business segments
- 10.3.4. Product portfolio
- 10.3.5. R&D expenditure
- 10.3.6. Business performance
- 10.3.7. Key strategic moves and developments

10.4. MICROSEMI CORPORATION

- 10.4.1. Company overview
- 10.4.2. Company snapshot
- 10.4.3. Product portfolio
- 10.4.4. Key strategic moves and developments

10.5. MITSUBISHI ELECTRIC CORPORATION

- 10.5.1. Company overview
- 10.5.2. Company snapshot
- 10.5.3. Operating business segments
- 10.5.4. Product portfolio
- 10.5.5. R&D expenditure
- 10.5.6. Business performance
- 10.5.7. Key strategic moves and developments

10.6. RENESAS ELECTRONICS CORPORATION

- 10.6.1. Company overview
- 10.6.2. Company snapshot
- 10.6.3. Operating business segments
- 10.6.4. Product portfolio
- 10.6.5. R&D expenditure
- 10.6.6. Business performance
- 10.6.7. Key strategic moves and developments

10.7. Rockwell Automation, Inc.

- 10.7.1. Company overview
- 10.7.2. Company snapshot
- 10.7.3. Operating business segments
- 10.7.4. Product portfolio
- 10.7.5. R&D expenditure
- 10.7.6. Business performance
- 10.7.7. Key strategic moves and developments

10.8. STMICROELECTRONICS N.V.

- 10.8.1. Company overview

- 10.8.2. Company snapshot
- 10.8.3. Operating business segments
- 10.8.4. Product portfolio
- 10.8.5. R&D expenditure
- 10.8.6. Business performance
- 10.8.7. Key strategic moves and developments
- 10.9. TEXAS INSTRUMENTS INCORPORATED
 - 10.9.1. Company overview
 - 10.9.2. Company snapshot
 - 10.9.3. Operating business segments
 - 10.9.4. Product portfolio
 - 10.9.5. R&D expenditure
 - 10.9.6. Business performance
 - 10.9.7. Key strategic moves and developments
- 10.10. TOSHIBA CORPORATION
 - 10.10.1. Company overview
 - 10.10.2. Company snapshot
 - 10.10.3. Operating business segments
 - 10.10.4. Product portfolio
 - 10.10.5. Business performance
 - 10.10.6. Key strategic moves and developments

List Of Tables

LIST OF TABLES

TABLE 01. GLOBAL POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019-2027 (\$MILLION)

TABLE 02. POWER ELECTRONICS MARKET FOR POWER DISCRETE, BY REGION, 2019-2027 (\$MILLION)

TABLE 03. POWER ELECTRONICS MARKET FOR POWER MODULES, BY REGION, 2019-2027 (\$MILLION)

TABLE 04. POWER ELECTRONICS MARKET FOR POWER IC, BY REGION, 2019-2027 (\$MILLION)

TABLE 05. GLOBAL POWER ELECTRONICS MARKET, BY MATERIAL, 2019-2027 (\$MILLION)

TABLE 06. POWER ELECTRONICS MARKET FOR SILICON CARBIDE, BY REGION, 2019-2027 (\$MILLION)

TABLE 07. POWER ELECTRONICS MARKET FOR GALLIUM NITRIDE, BY REGION, 2019-2027 (\$MILLION)

TABLE 08. POWER ELECTRONICS MARKET FOR SAPPHIRE, BY REGION, 2019-2027 (\$MILLION)

TABLE 09. POWER ELECTRONICS MARKET FOR OTHERS, BY REGION, 2019-2027 (\$MILLION)

TABLE 10. GLOBAL POWER ELECTRONICS MARKET, BY APPLICATION, 2019-2027 (\$MILLION)

TABLE 11. POWER ELECTRONICS MARKET FOR POWER MANAGEMENT, BY REGION, 2019-2027 (\$MILLION)

TABLE 12. POWER ELECTRONICS MARKET FOR UPS, BY REGION, 2019-2027 (\$MILLION)

TABLE 13. POWER ELECTRONICS MARKET FOR RENEWABLE, BY REGION, 2019-2027 (\$MILLION)

TABLE 14. POWER ELECTRONICS MARKET FOR OTHER, BY REGION, 2019-2027 (\$MILLION)

TABLE 15. GLOBAL POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 16. POWER ELECTRONICS MARKET FOR TELECOMMUNICATION, BY REGION, 2019-2027 (\$MILLION)

TABLE 17. POWER ELECTRONICS MARKET FOR INDUSTRIAL, BY REGION, 2019-2027 (\$MILLION)

TABLE 18. POWER ELECTRONICS MARKET FOR AUTOMOTIVE, BY REGION,

2019-2027 (\$MILLION)

TABLE 19. POWER ELECTRONICS MARKET FOR CONSUMER ELECTRONICS, BY REGION, 2019-2027 (\$MILLION)

TABLE 20. POWER ELECTRONICS MARKET FOR MILITARY & DEFENSE, BY REGION, 2019-2027 (\$MILLION)

TABLE 21. POWER ELECTRONICS MARKET FOR ENERGY & POWER, BY REGION, 2019-2027 (\$MILLION)

TABLE 22. POWER ELECTRONICS MARKET FOR OTHER, BY REGION, 2019-2027 (\$MILLION)

TABLE 23. POWER ELECTRONICS MARKET REVENUE, BY REGION, 2019–2027 (\$MILLION)

TABLE 24. NORTH AMERICA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 25. NORTH AMERICA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 26. NORTH AMERICA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 27. NORTH AMERICA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 28. U.S. POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 29. U.S. POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 30. U.S. POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 31. U.S. POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 32. CANADA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 33. CANADA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 34. CANADA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 35. CANADA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 36. MEXICO POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 37. MEXICO POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

- TABLE 38. MEXICO POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)
- TABLE 39. MEXICO POWER ELECTRONICS MARKET, BY END USER, 2018-2026 (\$MILLION)
- TABLE 40. EUROPE POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)
- TABLE 41. EUROPE POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)
- TABLE 42. EUROPE POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)
- TABLE 43. EUROPE POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)
- TABLE 44. UK POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)
- TABLE 45. UK POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)
- TABLE 46. UK POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)
- TABLE 47. UK POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)
- TABLE 48. GERMANY POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)
- TABLE 49. GERMANY POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)
- TABLE 50. GERMANY POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)
- TABLE 51. GERMANY POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)
- TABLE 52. FRANCE POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)
- TABLE 53. FRANCE POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)
- TABLE 54. FRANCE POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)
- TABLE 55. FRANCE POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)
- TABLE 56. REST OF EUROPE POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)
- TABLE 57. REST OF EUROPE POWER ELECTRONICS MARKET, BY MATERIAL,

2019–2027 (\$MILLION)

TABLE 58. REST OF EUROPE POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 59. REST OF EUROPE POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 60. ASIA-PACIFIC POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 61. ASIA-PACIFIC POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 62. ASIA-PACIFIC POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 63. ASIA-PACIFIC POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 64. CHINA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 65. CHINA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 66. CHINA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 67. CHINA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 68. JAPAN POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 69. JAPAN POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 70. JAPAN POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 71. JAPAN POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 72. INDIA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 73. INDIA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 74. INDIA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 75. INDIA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 76. SOUTH KOREA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 77. SOUTH KOREA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 78. SOUTH KOREA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 79. SOUTH KOREA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 80. REST OF ASIA-PACIFIC POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 81. REST OF ASIA-PACIFIC POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 82. REST OF ASIA-PACIFIC POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 83. REST OF ASIA-PACIFIC POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 84. LAMEA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 85. LAMEA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 86. LAMEA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 87. LAMEA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 88. LATIN AMERICA POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 89. LATIN AMERICA POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 90. LATIN AMERICA POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 91. LATIN AMERICA POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 92. MIDDLE EAST POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027 (\$MILLION)

TABLE 93. MIDDLE EAST POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027 (\$MILLION)

TABLE 94. MIDDLE EAST POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 95. MIDDLE EAST POWER ELECTRONICS MARKET, BY END USER, 2019-2027 (\$MILLION)

TABLE 96. JAPAN POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019–2027

(\$MILLION)

TABLE 97. JAPAN POWER ELECTRONICS MARKET, BY MATERIAL, 2019–2027

(\$MILLION)

TABLE 98. JAPAN POWER ELECTRONICS MARKET, BY APPLICATION, 2019–2027

(\$MILLION)

TABLE 99. JAPAN POWER ELECTRONICS MARKET, BY END USER, 2019-2027

(\$MILLION)

TABLE 100. ABB: COMPANY SNAPSHOT

TABLE 101. ABB: OPERATING SEGMENTS

TABLE 102. ABB: PRODUCT PORTFOLIO

TABLE 103. FUJI ELECTRIC CO., LTD.: COMPANY SNAPSHOT

TABLE 104. FUJI ELECTRIC CO., LTD.: OPERATING SEGMENTS

TABLE 105. FUJI ELECTRIC CO., LTD.: PRODUCT PORTFOLIO

TABLE 106. FUJI ELECTRIC CO., LTD.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 107. INFINEON TECHNOLOGIES AG: COMPANY SNAPSHOT

TABLE 108. INFINEON TECHNOLOGIES AG: OPERATING SEGMENTS

TABLE 109. INFINEON TECHNOLOGIES AG: PRODUCT PORTFOLIO

TABLE 110. INFINEON TECHNOLOGIES AG: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 111. MICROSEMI CORPORATION: COMPANY SNAPSHOT

TABLE 112. MICROSEMI CORPORATION: PRODUCT PORTFOLIO

TABLE 113. MITSUBISHI: COMPANY SNAPSHOT

TABLE 114. MITSUBISHI: OPERATING SEGMENTS

TABLE 115. MITSUBISHI: PRODUCT PORTFOLIO

TABLE 116. MITSUBISHI: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 117. RENESAS ELECTRONICS CORPORATION: COMPANY SNAPSHOT

TABLE 118. RENESAS ELECTRONICS CORPORATION: OPERATING SEGMENTS

TABLE 119. RENESAS ELECTRONICS CORPORATION: PRODUCT PORTFOLIO

TABLE 120. ROCKWELL AUTOMATION: COMPANY SNAPSHOT

TABLE 121. ROCKWELL AUTOMATION: OPERATING SEGMENTS

TABLE 122. ROCKWELL AUTOMATION: PRODUCT PORTFOLIO

TABLE 123. STMICROELECTRONICS: COMPANY SNAPSHOT

TABLE 124. STMICROELECTRONICS: OPERATING SEGMENTS

TABLE 125. RENESAS: PRODUCT PORTFOLIO

TABLE 126. COMPANY SNAPSHOT

TABLE 127. TI: OPERATING SEGMENTS

TABLE 128. TI: PRODUCT PORTFOLIO

TABLE 129. TOSHIBA: COMPANY SNAPSHOT

TABLE 130. TOSHIBA: OPERATING SEGMENTS

TABLE 131. TOSHIBA: PRODUCT PORTFOLIO

TABLE 132. TOSHIBA: KEY STRATEGIC MOVES AND DEVELOPMENTS

List Of Figures

LIST OF FIGURES

FIGURE 01. KEY MARKET SEGMENTS

FIGURE 02. GLOBAL POWER ELECTRONICS MARKET SNAPSHOT, BY SEGMENTATION

FIGURE 03. POWER ELECTRONICS MARKET SNAPSHOT, BY REGION

FIGURE 04. TOP IMPACTING FACTORS

FIGURE 05. PATENT ANALYSIS, BY COUNTRY

FIGURE 06. PATENT ANALYSIS, BY APPLICANT

FIGURE 07. GLOBAL POWER ELECTRONICS MARKET, BY DEVICE TYPE, 2019-2027

FIGURE 08. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR POWER DISCRETE, BY COUNTRY, 2019 & 2027(%)

FIGURE 09. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR POWER MODULES, BY COUNTRY, 2019 & 2027(%)

FIGURE 10. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR POWER IC, BY COUNTRY, 2019 & 2027(%)

FIGURE 11. GLOBAL POWER ELECTRONICS MARKET, BY MATERIAL, 2019-2027

FIGURE 12. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR SILICON CARBIDE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 13. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR GALLIUM NITRIDE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 14. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR SAPPHIRE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 15. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR OTHERS, BY COUNTRY, 2019 & 2027(%)

FIGURE 16. GLOBAL POWER ELECTRONICS MARKET, BY APPLICATION, 2019-2027

FIGURE 17. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR POWER MANAGEMENT, BY COUNTRY, 2019 & 2027(%)

FIGURE 18. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR UPS, BY COUNTRY, 2019 & 2027(%)

FIGURE 19. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR RENEWABLE, BY COUNTRY, 2019 & 2027 (%)

FIGURE 20. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR OTHER, BY COUNTRY, 2019 & 2027(%)

FIGURE 21. GLOBAL POWER ELECTRONICS MARKET, BY END USER, 2019-2027

FIGURE 22. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR TELECOMMUNICATION, BY COUNTRY, 2019 & 2027(%)

FIGURE 23. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR INDUSTRIAL, BY COUNTRY, 2019 & 2027 (%)

FIGURE 24. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR AUTOMOTIVE, BY COUNTRY, 2019 & 2027(%)

FIGURE 25. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR CONSUMER ELECTRONICS, BY COUNTRY, 2017 & 2027(%)

FIGURE 26. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR MILITARY & DEFENSE, BY COUNTRY, 2019 & 2027(%)

FIGURE 27. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR ENERGY & POWER, BY COUNTRY, 2019 & 2027(%)

FIGURE 28. COMPARATIVE SHARE ANALYSIS OF POWER ELECTRONICS MARKET FOR OTHER, BY COUNTRY, 2019 & 2027(%)

FIGURE 29. POWER ELECTRONICS MARKET, BY REGION, 2019-2027 (%)

FIGURE 30. COMPARATIVE SHARE ANALYSIS OF NORTH AMERICA POWER ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 31. U.S. POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 32. CANADA POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 33. MEXICO POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 34. COMPARATIVE SHARE ANALYSIS OF EUROPE POWER ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 35. UK POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 36. GERMANY POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 37. FRANCE POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 38. REST OF EUROPE POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 39. COMPARATIVE SHARE ANALYSIS OF ASIA-PACIFIC POWER ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 40. CHINA POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 41. JAPAN POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 42. INDIA POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 43. SOUTH KOREA POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 44. REST OF ASIA-PACIFIC POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 45. COMPARATIVE SHARE ANALYSIS OF LAMEA POWER ELECTRONICS MARKET, BY COUNTRY, 2019–2027 (%)

FIGURE 46. LATIN AMERICA POWER ELECTRONICS MARKET, 2019–2027

(\$MILLION)

FIGURE 47. MIDDLE EAST POWER ELECTRONICS MARKET, 2019–2027

(\$MILLION)

FIGURE 48. AFRICA POWER ELECTRONICS MARKET, 2019–2027 (\$MILLION)

FIGURE 49. MARKET PLAYER POSITIONING, 2019

FIGURE 50. TOP WINNING STRATEGIES, BY YEAR, 2017-2020*

FIGURE 51. TOP WINNING STRATEGIES, BY DEVELOPMENT, 2017-2020*

FIGURE 52. TOP WINNING STRATEGIES, BY COMPANY, 2017-2020*

FIGURE 53. PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 54. COMPETITIVE DASHBOARD

FIGURE 55. COMPETITIVE HEATMAP OF KEY PLAYERS

FIGURE 56. ABB: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 57. ABB: NET SALES, 2017–2019 (\$MILLION)

FIGURE 58. ABB: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 59. ABB: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 60. FUJI ELECTRIC CO., LTD.: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 61. FUJI ELECTRIC CO., LTD.: REVENUE, 2017–2019 (\$MILLION)

FIGURE 62. FUJI ELECTRIC CO., LTD.: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 63. FUJI ELECTRIC CO., LTD.: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 64. INFINEON TECHNOLOGIES AG: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 65. INFINEON TECHNOLOGIES AG: NET SALES, 2017–2019 (\$MILLION)

FIGURE 66. INFINEON TECHNOLOGIES AG: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 67. INFINEON TECHNOLOGIES AG: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 68. MITSUBISHI: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 69. MITSUBISHI: NET SALES, 2017–2019 (\$MILLION)

FIGURE 70. MITSUBISHI: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 71. MITSUBISHI: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 72. RENESAS ELECTRONICS CORPORATION: R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 73. RENESAS ELECTRONICS CORPORATION: NET SALES, 2017–2019 (\$MILLION)

FIGURE 74. RENESAS ELECTRONICS CORPORATION: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 75. RENESAS ELECTRONICS CORPORATION: REVENUE SHARE, BY REGION, 2019 (%)

FIGURE 76. ROCKWELL AUTOMATION: R&D EXPENDITURE, 2017–2019

(\$MILLION)

FIGURE 77. ROCKWELL AUTOMATION: REVENUE, 2017–2019 (\$MILLION)

FIGURE 78. ROCKWELL AUTOMATION: REVENUE SHARE BY SEGMENT, 2019

I would like to order

Product name: Power Electronics Market by Device Type (Power Discrete, Power Module, and Power IC), Material (Silicon Carbide, Gallium Nitride, Sapphire, and Other), and Application (Power Management, UPS, Renewable, and Others), and End User (Telecommunication, Industrial, Automotive, Consumer Electronics, Military & Defense, Energy & Power, and Other): Global Opportunity Analysis and Industry Forecast, 2020–2027

Product link: <https://marketpublishers.com/r/GD1CF201497EN.html>

Price: US\$ 4,615.00 (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/GD1CF201497EN.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