

Global Power Electronics Market By Device Type [Power Discrete {Diode, Transistors (Bipolar Junction Transistor, Field Effect Transistor, Insulated Gate Bipolar Transistor), Thyristor}, Power Module {Intelligent Power Module, Standard & Power Integrated Module (MOSFET Module, IGBT Module), Other Modules)}, Power IC]; By Material (Silicon, Silicon Carbide, Gallium Nitride); By Application {ICT, Consumer Electronics, Industrial (Energy & Power), Automotive & Transportation, Aerospace & Defense, Others}; and Region– Analysis of Market Size, Share and Forecast To 2019-2030

https://marketpublishers.com/r/G33653CCDCA1EN.html

Date: May 2024 Pages: 178 Price: US\$ 5,000.00 (Single User License) ID: G33653CCDCA1EN

# **Abstracts**

Global Power Electronics Market By Device Type [Power Discrete {Diode, Transistors (Bipolar Junction Transistor, Field Effect Transistor, Insulated Gate Bipolar Transistor), Thyristor}, Power Module {Intelligent Power Module, Standard & Power Integrated Module (MOSFET Module, IGBT Module), Other Modules)}, Power IC]; By Material (Silicon, Silicon Carbide, Gallium Nitride); By Application {ICT, Consumer Electronics, Industrial (Energy & Power), Automotive & Transportation, Aerospace & Defense, Others}; and Region– Analysis of Market Size, Share and Forecast To 2019-2030



## Contents

## **1. EXECUTIVE SUMMARY**

## 2. POWER ELECTRONICS

- 2.1. Product Overview
- 2.2. Market Definition
- 2.3. Segmentation
- 2.4. Assumptions and Acronyms

#### 3. RESEARCH METHODOLOGY

- 3.1. Research Objectives
- 3.2. Primary Research
- 3.3. Secondary Research
- 3.4. Forecast Model
- 3.5. Market Size Estimation

#### 4. AVERAGE PRICING ANALYSIS

#### **5. MARKET DYNAMICS**

- 5.1. Growth Drivers
- 5.2. Restraints
- 5.3. Opportunity
- 5.4. Trends

## 6. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE

#### 7. RISK ANALYSIS

- 7.1. Demand Risk Analysis
- 7.2. Supply Risk Analysis

#### 8. POWER ELECTRONICS INDUSTRY ANALYSIS

- 8.1. Porters Five Forces
  - 8.1.1. The threat of New Entrants



- 8.1.2. Bargaining Power of Suppliers
- 8.1.3. Threat of Substitutes
- 8.1.4. Rivalry
- 8.2. PEST Analysis
  - 8.2.1. Political
  - 8.2.2. Economic
  - 8.2.3. Social
  - 8.2.4. Technological

## 9. GLOBAL POWER ELECTRONICS MARKET

- 9.1. Market Size & forecast, 2019A-2030F
- 9.1.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **10. GLOBAL POWER ELECTRONICS: MARKET SEGMENTATION**

- 10.1. By Regions
  - 10.1.1. North America: (U.S. and Canada)

10.1.1.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.1.2. Latin America: (Brazil, Mexico, Argentina, Rest of Latin America)

10.1.2.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.1.3. Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe)

10.1.3.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F 10.1.4. Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific)

10.1.4.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F 10.1.5. The Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of the Middle East and Africa)

10.1.5.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F 10.2. By Device Type: Market Share (2020-2030F)

10.2.1. Power Discrete, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.2.2. Power Module, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.2.3. Power IC, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F 10.3. By Material: Market Share (2020-2030F)

10.3.1. Silicon, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F 10.3.2. Silicon Carbide, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%)



2020-2030F

10.3.3. Gallium Nitride, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4. By Application: Market Share (2020-2030F)

10.4.1. ICT, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4.2. Consumer Electronics, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4.3. Industrial, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4.4. Automotive & Transportation, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4.5. Aerospace & Defense, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

10.4.6. Others, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **11. COMPANY PROFILE**

11.1. Texas Instruments Inc.

- 11.1.1. Company Overview
- 11.1.2. Company Total Revenue (Financials)
- 11.1.3. Market Potential
- 11.1.4. Global Presence
- 11.1.5. Key Performance Indicators
- 11.1.6. SWOT Analysis
- 11.1.7. Product Launch
- 11.2. Developer Manufacturer Profiles
- 11.3. Renesas Electronics Corporation
- 11.4. Infineon Technologies
- 11.5. Microsemi Corporation
- 11.6. Maxim Integrated Products Inc.
- 11.7. BMW Group Co. Inc.
- 11.8. ON Semiconductors Inc.
- 11.9. Apple Inc.
- 11.10. Others

Consultant Recommendation

\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.



## I would like to order

Product name: Global Power Electronics Market By Device Type [Power Discrete {Diode, Transistors (Bipolar Junction Transistor, Field Effect Transistor, Insulated Gate Bipolar Transistor), Thyristor}, Power Module {Intelligent Power Module, Standard & Power Integrated Module (MOSFET Module, IGBT Module), Other Modules)}, Power IC]; By Material (Silicon, Silicon Carbide, Gallium Nitride); By Application {ICT, Consumer Electronics, Industrial (Energy & Power), Automotive & Transportation, Aerospace & Defense, Others}; and Region– Analysis of Market Size, Share and Forecast To 2019-2030

Product link: https://marketpublishers.com/r/G33653CCDCA1EN.html

Price: US\$ 5,000.00 (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 <u>https://marketpublishers.com/r/G33653CCDCA1EN.html</u>

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

Custumer signature



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

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