

Power Semiconductor Market: Trends, Opportunities and Competitive Analysis [2023-2028]

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Abstracts

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Global Power Semiconductor Market Trends and Forecast

The future of the global of power semiconductor market looks promising with opportunities in the automotive, consumer electronics, IT and telecommunication, military and aerospace, power and energy, industrial, and other segments. The global power semiconductor market is expected to reach an estimated \$42.9 billion by 2028 with a CAGR of 6.5% from 2023 to 2028. The major growth drivers for this market are growing demand of consumer electronics devices and wireless communications globally along with rising need for new safety features and more efficient power management in the automotive industry.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Global Power Semiconductor Market by Segment

The study includes a forecast for the global power semiconductor market by component, material, application, and region as follows:

Global Power Semiconductor Market by Component [Value (\$M) Shipment Analysis from 2017 to 2028]:

Discrete

Module

Power Integrated Circuits

Global Power Semiconductor Market by Material [Value (\$M) Shipment Analysis from 2017 to 2028]:

Silicon/Germanium

Silicon Carbide (SiC)

Gallium Nitride (GaN)

Global Power Semiconductor Market by Application [Value (\$M) Shipment Analysis from 2017 to 2028]:

Automotive

Consumer Electronics

IT and Telecommunications

Military and Aerospace

Power and Energy

Industrial

Global Power Semiconductor Market by Region [Value (\$M) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Global Power Semiconductor Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies of the global power semiconductor companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of global power semiconductor companies profiled in this report includes.

ABB

Broadcom

Fuji Electric

Hitachi

Infineon Technologies

Microchip Technology

Mitsubishi Electric

NXP Semiconductor

Onsemi

Global Power Semiconductor Market Insight

In this market, power integrated circuits will remain the largest component segment over the forecast period because of increasing usage of these semiconductors in high voltage applications, such as solar panels, power supply, automobiles, and trains.

Asia Pacific region is expected to witness the highest growth during the forecast period due to growing electronics and electric vehicle industry along with supporting government policies.

Features of Global Power Semiconductor Market

Market Size Estimates: Global power semiconductor market size estimation in terms of value (\$M)

Trend and Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Global power semiconductor market size by component, material, and application

Regional Analysis: Global power semiconductor market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different component, material, application, and regions for global power semiconductor market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for global power semiconductor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the global power semiconductor market size?

Answer: The global power semiconductor market is expected to reach an estimated \$42.9 billion by 2028.

Q2. What is the growth forecast for the global power semiconductor market?

Answer: The global power semiconductor market is expected to grow with a CAGR of 6.5% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the global power semiconductor market?

Answer: The major drivers for this market are growing demand of consumer electronics devices and wireless communications globally along with rising need for new safety features and more efficient power management in the automotive industry.

Q4. What are the major segments for the global power semiconductor market?

Answer: The future of the global power semiconductor market looks promising with opportunities in the automotive, consumer electronics, IT and telecommunication, military and aerospace, power and energy, industrial, and other application segments.

Q5. Who are the key power semiconductor companies?

Answer: Some of the key power semiconductor companies are as follows:

ABB

Broadcom

Fuji Electric

Hitachi

Infineon Technologies

Microchip Technology

Mitsubishi Electric

NXP Semiconductor

Onsemi

Q6. Which power semiconductor segment will be the largest in the future?

Answer: Within the power semiconductor market, power integrated circuits will remain the largest component segment over the forecast period because of increasing usage of these semiconductors in high voltage applications, such as solar panels, power supply, automobiles, and trains.

Q7. In the global power semiconductor market, which region is expected to be the largest in the next five years?

Answer: Asia Pacific region is expected to witness the highest growth during the forecast period due to growing electronics and electric vehicle industry along with supporting government policies.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising, high-growth opportunities for the global power semiconductor market by component (discrete, module, and power integrated circuits), material (silicon/germanium, silicon carbide (SiC), gallium nitride (GaN)), application (automotive, consumer electronics, IT & telecommunications, military & aerospace, power & energy, and industrial), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to power semiconductor market or related to power semiconductor companies, power semiconductor market size, power semiconductor market share, power semiconductor analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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7.7: Mitsubishi Electric

7.8: NXP Semiconductor

7.9: Onsemi

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