

Power Module Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

The future of the power module market looks attractive with opportunities in transportation, industrial, wind energy, solar PV, and others. The global power module market is expected to reach an estimated \$12.6 billion by 2027 with a CAGR of 12.9% from 2021 to 2027. The major drivers for the growth of this market are high growth of electric vehicles, increasing focus of consumers for minimizing power losses, and maximizing power savings.

Emerging Trends in the Global Power Module Market

Emerging trends, which have a direct impact on the dynamics of the industry, include the emergence of IGBT high power modules and development of high temperature SiC power module.

A total of 72 figures/charts and 71 tables are provided in this 163-page report to help in your business decisions. A sample figure with insights is shown below. To learn the scope of benefits, companies researched, and other details of the Global Power Module Market report, please download the report brochure.

Global Power Module Market by Segment

The study includes a forecast for the global power module market by product type, voltage range, by end use industry, and region as follows:

By Product Type [\$B shipment analysis from 2016 to 2027]:

IGBT

FET

SiC

Others

By End Use Industry [\$B shipment analysis from 2016 to 2027]:

Transportation

Industrial

Wind Energy

Solar PV

Others

By Voltage Range [\$B shipment analysis from 2016 to 2027]:

1200V

By Region [\$B shipment analysis for 2016 to 2027]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

Asia Pacific

Japan

China

The Rest of the World

List of Global Power Module Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their new product developments, partnerships, mergers & acquisition, and leverage integration opportunities across the value chain. With these strategies global power module companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the power module companies profiled in this report include.

Infineon Technologies AG

STMicroelectronics

ON Semiconductor.

Mitsubishi Electric Corporation

Toshiba

Vincotech

Hitachi

Fuji Electric.

Semikron

Danfoss

Global Power Module Market Insight

Lucintel forecasts that IGBT will remain the largest product type and it is also expected to witness the highest growth over the forecast period due to its increasing demand in various power electronics applications, such as inverters, converters and power supplies.

Transportation will remain the largest application over the forecast period.

Asia Pacific will remain the largest region and it is also expected to witness highest growth over the forecast period

Features of Global Power Module Market

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

Trend and Forecast Analysis: Market trends (2016-2021) and forecast (2022-2027) by various segments and regions.

Segmentation Analysis: Market size by product type, voltage range, by end use industry and region

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

Growth Opportunities: Analysis of growth opportunities in product type, voltage range, by end use industry and region

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the Global power module market.

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

FAQ

Q1. What is the Global power module market size?

Answer: The global power module market is expected to reach an estimated \$12.6 billion by 2027

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

Answer: The Global power module market is expected to grow at a CAGR of 12.9% from 2021 to 2027.

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

Answer: The major drivers for this market are high growth of electric vehicles, increasing focus of consumers for minimizing power losses, and maximizing power savings.

Q4. What are the major applications or end use industries for global power module market?

Answer: Transportation, Industrial, and Solar are the major application for global power module market.

Q5. What are the emerging trends in Global power module market?

Answer Emerging trends, which have a direct impact on the dynamics of the industry, include the emergence of IGBT high power modules and development of high temperature SiC power module.

Q6. Who are the key global power module companies?

Answer: Some of the key global power module companies are as follows:

Infineon Technologies AG

STMicroelectronics

ON Semiconductor

Mitsubishi Electric Corporation

Toshiba

Vincotech

Hitachi

Fuji Electric.

Semikron

Danfoss

Q7. Which global power module product segment will be the largest in future?

Answer: Lucintel forecasts that IGBT will remain the largest product type and it is also expected to witness the highest growth over the forecast period due to its increasing demand in various power electronics applications, such as inverters, converters and power supplies.

Q8. In global power module market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9. 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 module by product type (IGBT, FET, SiC, and Others), by voltage range (1200V), by end use industry (Transportation, Industrial, Wind Energy, Solar PV, and others), and by 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 some 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 product substitution?

Q.11. What M&A activity has occurred in the last 5 years?

For any questions related to power module market or related to power distribution modules, power supply modules, integrated power modules, intelligent power modules, sic power modules, microwave power modules, AC power modules, jet power modules, silicon carbide power modules, in desk power modules, power module companies, power module market size, power module market share, power module analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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- 7.9: Semikron
- 7.10: Danfoss

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