

# Discrete Power Device Market Report: Trends, Forecast and Competitive Analysis to 2030

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## Abstracts

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### Discrete Power Device Trends and Forecast

The future of the global discrete power device market looks promising with opportunities in the automotive & transportation, industrial, consumer, and communication markets. The global discrete power device market is expected to reach an estimated \$39.1 billion by 2030 with a CAGR of 5.6% from 2024 to 2030. The major drivers for this market are growing demand for green energy power generation, as well as extensive adoption of electric vehicles that led to advancements in the performance capabilities of power semiconductor components.

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

### Discrete Power Device by Segment

The study includes a forecast for the global discrete power device by type, application, and region.

Discrete Power Device Market by Type [Shipment Analysis by Value from 2018 to 2030]:

Transistors

Diodes

## Thyristors

Discrete Power Device Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Automotive & Transportation

Industrial

Consumers

Communication

Others

Discrete Power Device Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

## List of Discrete Power Device 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 discrete power device companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the discrete power device companies profiled in this report include-

Infineon Technologies

Semiconductor Components

Mitsubishi Electric

Toshiba Corporation

STMicroelectronics

Vishay Intertechnology

Fuji Electric

Renesas Electronics

ROHM

Nexperia

## Discrete Power Device Market Insights

Lucintel forecasts that thyristors will remain the largest segment over the forecast period because it is simple to activate and has control over alternative current (AC) power.

Within this market, automotive & transportation will remain the largest segment over the forecast period because of its growing applications in vehicles as it helps in precisely monitoring over particular systems or subsystems that helps in enhancing a vehicle's performance.

APAC will remain the largest region over the forecast period due to growing research & development activities (R&D) activities and presence of key players in this region.

## Features of the Global Discrete Power Device Market

Market Size Estimates: Discrete power device market size estimation in terms of value (\$B).

**Trend and Forecast Analysis:** Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

**Segmentation Analysis:** Discrete power device market size by type, application, and region in terms of value (\$B).

**Regional Analysis:** Discrete power device market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different type, application, and regions for the discrete power device market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the discrete power device market.

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

## FAQ

**Q.1 What is the discrete power device market size?**

**Answer:** The global discrete power device market is expected to reach an estimated \$39.1 billion by 2030.

**Q.2 What is the growth forecast for discrete power device market?**

**Answer:** The global discrete power device market is expected to grow with a cagr of 5.6% from 2024 to 2030.

**Q.3 What are the major drivers influencing the growth of the discrete power device market?**

**Answer:** The major drivers for this market are growing demand for green energy power generation, extensive adoption of electric vehicles that led to advancements in the performance capabilities of power semiconductor components, and .

**Q4. What are the major segments for discrete power device market?**

**Answer:** The future of the discrete power device market looks promising with

opportunities in the automotive & transportation, industrial, consumer, and communication markets.

Q5. Who are the key discrete power device market companies?

Answer: Some of the key discrete power device companies are as follows:

Infineon Technologies

Semiconductor Components

Mitsubishi Electric

Toshiba Corporation

STMicroelectronics

Vishay Intertechnology

Fuji Electric

Renesas Electronics

ROHM

Nexperia

Q6. Which discrete power device market segment will be the largest in future?

Answer: Lucintel forecasts that thyristors will remain the largest segment over the forecast period because it is simple to activate and has control over alternative current (AC) power.

Q7. In discrete power device market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest region over the forecast period due to growing research & development activities (R&D) activities and presence of key players in this

region.

Q.8 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 discrete power device market by type (transistors, diodes, and thyristors), application (automotive & transportation, industrial, consumers, communication, and others), 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 region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

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

Q.7. What are some of 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 key players pursuing for business growth?

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

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Discrete Power Device Market, Discrete Power Device

Market Size, Discrete Power Device Market Growth, Discrete Power Device Market Analysis, Discrete Power Device Market Report, Discrete Power Device Market Share, Discrete Power Device Market Trends, Discrete Power Device Market Forecast, Discrete Power Device Companies, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com). We will be glad to get back to you soon.

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