

# Power Semiconductor Market Expected to Reach \$79.9 Billion by 2032 | Infineon Technologies AG, Texas Instruments

OREGAON, PORTLAND, UNITED STATES, February 16, 2024 /EINPresswire.com/ -- As per the report published by Allied Market Research Titled "[Global Power Semiconductor Market](#)" by Material (SiC, GaN, Others), by Product (Power MOSFET, IGBT, Thyristor, Power Diode, Others), by Industry Vertical (IT and Telecom, Aerospace and Defense, Industrial, Energy and Power, Electronics, Automotive, Healthcare): Global Opportunity Analysis and Industry Forecast, 2023-2032"



Global Power Semiconductor Market

The power semiconductor market was valued at \$48.9 billion in 2022 and is projected to reach \$79.9 billion by 2032, growing at a CAGR of 4.9% from 2023 to 2032.

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The power semiconductor market is being driven by the increasing demand for energy-efficient electronic devices and the rapid expansion of the electric vehicle (EV) industry.”

*Himanshu Jangra Lead Analyst, Semiconductor and Electronics*

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The report includes a detailed analysis of the dynamic factors such as drivers, restraints, challenges, and opportunities. The drivers and opportunities help to comprehend the rapidly changing industry trends and how they can impact the growth of the market. Moreover, the challenges and restraints analyzed in the report help recognize profitable market investments. The global power semiconductor report provides quantitative and qualitative analysis of the market from 2021 to 2030.

The qualitative study focuses on the value chain analysis, key regulations, and pain point

analysis. The global power semiconductor market report includes an overview of the market and highlights market definition and scope along with major factors that shape the power semiconductor market. The study outlines the major market trends and driving factors that boost the growth of the market. The report includes an in-depth study of sales, market size, sales analysis, and prime drivers, challenges, and opportunities. The market for would be driven by investing in new technology aimed at increasing system life. Another key factor driving the growth of the power semiconductor market is the increased focus on infrastructure throughout the world.

#### Key Segmentation

##### By Product

- Silicon Carbonate (SiC)
- Gallium Nitride (GaN)
- Others

##### By Application

- IT and Telecommunication
- Consumer Electronics
- Automotive
- Aerospace and Defense
- Transportation
- Medical
- Energy and Power
- Others

##### By Component

- Discrete
- Module
- Power Integrated Circuits

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The market study further promotes a sustainable market scenario on the basis of key product offerings. On the other hand, Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network. The report provides an explicit global market breakdown and exemplifies how the opposition will take shape in the new few years to come. Rendering the top ten industry players functional in the market, the study emphasizes on the policies & approaches integrated by them to retain their foothold in the industry.

The analysis highlights the highest revenue generating and fastest growing segments. These insights are helpful in devising strategies and achieving a sustainable growth. The power

semiconductor market is studied on the basis of different segments including type, applications, and region. This makes the study well organized and resourceful along with promoting easy understanding. The report a comprehensive data based on each segment of the power semiconductor market.

The power semiconductor market is analyzed on the basis of geographical penetration along with a study of market influence in the various regions such as North America (United States, Canada, and Mexico), Europe (Germany, France, UK, Russia, and Italy), Asia-Pacific (China, Japan, Korea, India, and Southeast Asia), South America (Brazil, Argentina, Colombia), Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, and South Africa).

Key Players Mentioned in the power semiconductor Market Research Report:

Hitachi Ltd, Infineon Technologies AG, NXP Semiconductors N.V., Toshiba Corporation, Texas Instruments Incorporated, STMicroelectronics N. V., ON SEMICONDUCTOR CORPORATION, ABB Ltd., Renesas Electronics Corporation, Mitsubishi Electric Corporation.

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The global power semiconductor market offers a detailed overview of the industry based on the main parameters including market extent, probable deals, sales analysis, and essential drivers. The market report is summarized enfolding the operations of an array of different organizations in the sector from different regions. The study is a perfect consolidation of quantitative and qualitative information accentuating on the key power semiconductor industry developments and challenges that the market is facing along with the lucrative opportunities available in the sector. The power semiconductor market report also showcases the factual data throughout the forecast period and brings about an estimate till 2031.

Key Questions Answered in the Report:

- (1) What are the growth opportunities for the new entrants in the industry?
- (2) Who are the leading players functioning in the marketplace?
- (3) What are the key strategies participants are likely to adopt to increase their share in the industry?
- (4) What is the competitive situation in the Global power semiconductor market?
- (5) What are the emerging trends that may influence the Global power semiconductor market growth?
- (6) Which product type segment will exhibit high CAGR in future?
- (7) Which application segment will grab a handsome share in the Global power semiconductor industry?
- (8) Which region is lucrative for the manufacturers?

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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