

# Power Electronics - Global Market Outlook (2017-2026)

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### **Abstracts**

According to Stratistics MRC, the Global Power Electronics market is expected to grow from \$35.02 billion in 2017 to reach \$64.98 billion by 2026 with a CAGR of 7.1%. Rising need for power management devices, growing adoption of power electronics in electric vehicles, increasing awareness of the impact of fossil fuel depletion are some of the factors fueling the market growth. However, high infrastructure deployment cost and current leakage at high temperature are some of the factors hindering the market growth. One of the major opportunities in the market is increasing industrialization in developing economies.

Power electronics is the application of solid-state electronics to the control and conversion of electric power. It is used to control the fluctuated power from one device to other power devices such as diodes, transistors, and thyristors. In addition, power electronics can control the flow of energy in unidirectional as well as bidirectional manner, depending upon the usage. Presently, it is used in renewable resources and electric vehicles to develop switching speed and prevent power loss.

Based on Application, transportation segment holds the significant growth during the forecast period. Factors such as increasing utilize of electronic devices, significant fabrication of HEVs and EVs and growing demand for electric vehicle charging stations are boosting the growth of this segment. By End user, automotive segment has acquired the significant growth during the forecast period due to growing concerns over environmental pollution.

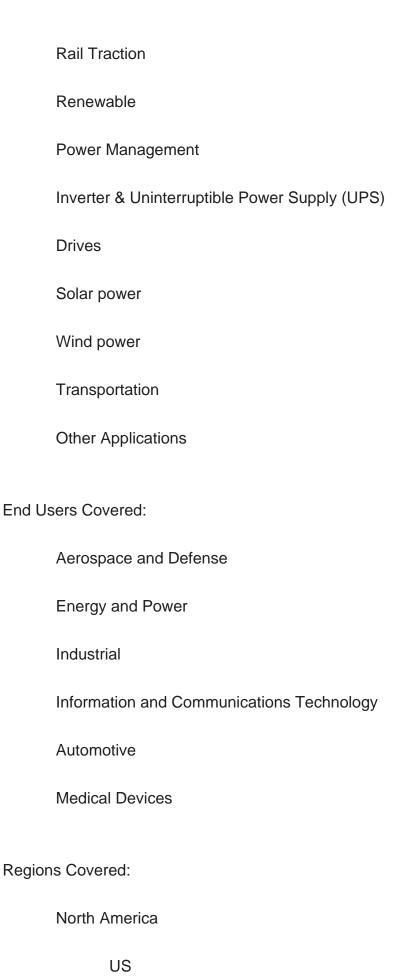
By geography, Asia Pacific has been the fastest-growing region during the forecast period. Due to the improvement in power transmission and use of renewable energy and increasing demand of industrial and energy & power verticals are some of the factors driving the market in this region.



Some of the key players in the Power Electronics market include Siemens AG, Mitsubishi Electric, Toshiba, Texas Instruments, Infineon Technologies, ABB Group, Rockwell Automation, NXP Semiconductors N.V., STMicroelectronics N.V., Vishay Intertechnology, Inc., Qualcomm, Inc., Fuji Electric Co., Ltd, Renesas Electronics Corp., ON Semiconductor Corp., Microchip Technology, ROHM Semiconductor, Littelfuse, Analog Devices and Hitachi.

| Device Types Covered: |  |  |
|-----------------------|--|--|
| Power Discrete        |  |  |
| Power IC              |  |  |
| Power Module          |  |  |
| AC-DC converters      |  |  |
| DC-DC converters      |  |  |
| AC-AC converters      |  |  |
| DC-AC converters      |  |  |
| Static switches       |  |  |
| Materials Covered:    |  |  |
| Silicon Carbide (SiC) |  |  |
| Gallium Nitride (GaN) |  |  |
| Silicon (Si)          |  |  |
| Other Materials       |  |  |
| Applications Covered: |  |  |

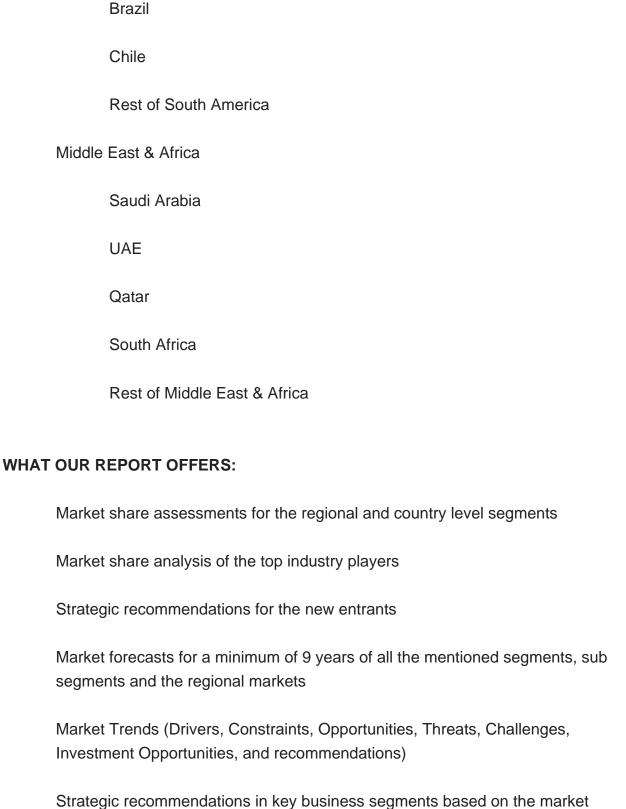






|               | Canada               |  |
|---------------|----------------------|--|
|               | Mexico               |  |
| Europe        |                      |  |
|               | Germany              |  |
|               | UK                   |  |
|               | Italy                |  |
|               | France               |  |
|               | Spain                |  |
|               | Rest of Europe       |  |
| Asia Pacific  |                      |  |
|               | Japan                |  |
|               | China                |  |
|               | India                |  |
|               | Australia            |  |
|               | New Zealand          |  |
|               | South Korea          |  |
|               | Rest of Asia Pacific |  |
| South America |                      |  |
|               | Argentina            |  |





Competitive landscaping mapping the key common trends.

Company profiling with detailed strategies, financials, and recent developments

estimations



Supply chain trends mapping the latest technological advancements.



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