

Power Transistors Market - Forecasts from 2019 to 2024

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Abstracts

The power transistors market is projected to grow at a CAGR of 3.04% to reach US\$18,028.060 million by 2024, from US\$15,060.503 million in 2018. The power transistor is a three-terminal semiconductor device used to intensify and switch electronic signals and electrical power. It is an intersection transistor designed to deal with high present and power; utilized mostly in sound and exchanging circuits. Their main work is to improve the switch performance and enhancing system reliability. Apart from this, these ensure the power efficiency of electronic products ensuring no power loss. Due to their crucial role in power management, they are commonly used in electrical components, and a steady rise in the demand for electrical components around the world will result in an increasing demand for these devices during the forecast period.

This research study examines the current market trends related to demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study have been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others have been taken into consideration while

conducting the secondary research. Both bottom-up and top-down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the global power transistor value chain. The last step involves complete market engineering which includes analyzing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Market intelligence is presented in the form of analysis, charts, and graphics to help the clients in gaining a faster and efficient understanding of the global power transistors market.

Major industry players profiled as part of the report are Vishay Intertechnology, Inc., Infineon Technologies AG, STMicroelectronics, Diodes Incorporated, NXP Semiconductors, Renesas Electronics Corporation, and Mitsubishi Electric Corporation among others.

Segmentation

The power transistors market has been analyzed through the following segments:

By Type

MOSFET

IGBT

Bipolar Junction Transistor

RF/Microwave Power Transistor and Module

By Industry Vertical

Consumer Electronics

Communication

Automotive

Manufacturing

By Geography

Americas

USA

Canada

Brazil

Others

Europe Middle East and Africa

Germany

France

United Kingdom

Italy

Others

Asia Pacific

China

Japan

India

South Korea

Others

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