

# **Global Power Semiconductor Switches Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Power Semiconductor Switches market size was valued at US\$ 7543 million in 2024 and is forecast to a readjusted size of USD 10630 million by 2031 with a CAGR of 5.1% during review period.

Power Semiconductor Switches are the discrete power device. A discrete power device (or discrete component) is an electronic component with just one circuit element, other than an integrated circuit. It is an electronic component widely used in automotive & transportation, industrial, consumer, communication and among others. The power transistors and thyristors are called Power Semiconductor Switches, which include PowerMOSFETs, IGBTs, Bipolar Power Transistors, SCR, GTO etc.

Global Power Semiconductor Switches main players are Infineon Technologies AG, ON Semiconductor, STMicroelectronics N.V., Toshiba Corporation, etc. Global top four manufacturers hold a share over 35%. China is the largest market, with a share nearly 50%.

This report is a detailed and comprehensive analysis for global Power Semiconductor Switches market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### Key Features:

Global Power Semiconductor Switches market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Power Semiconductor Switches market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Power Semiconductor Switches market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Power Semiconductor Switches market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Power Semiconductor Switches

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Power Semiconductor Switches market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon Technologies AG, ON Semiconductor, STMicroelectronics N.V., Toshiba Corporation, Vishay Intertechnology Inc, Fuji Electric, Renesas Electronics, ROHM Semiconductor, Sanken, Nexperia, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Power Semiconductor Switches market is split by Type and by Application. For the

period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Power MOSFETs

IGBTs

Bipolar Power Transistors

Thyristors

#### Market segment by Application

Automotive & Transportation

Industrial & Power

Consumer

Computing & Communications

Others

#### Major players covered

Infineon Technologies AG

ON Semiconductor

STMicroelectronics N.V.

Toshiba Corporation

Vishay Intertechnology Inc

Fuji Electric

Renesas Electronics

ROHM Semiconductor

Sanken

Nexperia

Mitsubishi Electric Corporation

Microchip Technology

Semikron Inc

IXYS

ABB Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Power Semiconductor Switches product scope, market overview,

market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Power Semiconductor Switches, with price, sales quantity, revenue, and global market share of Power Semiconductor Switches from 2020 to 2025.

Chapter 3, the Power Semiconductor Switches competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Power Semiconductor Switches breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Power Semiconductor Switches market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Power Semiconductor Switches.

Chapter 14 and 15, to describe Power Semiconductor Switches sales channel, distributors, customers, research findings and conclusion.

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