

# **Power MOSFET Market Size, Share, and Analysis, By Type (Depletion Mode Power MOSFET and Enhancement Mode Power MOSFET), Power Rate (High Power, Medium Power, and Low Power), and Application (Energy & Power, Consumer Electronics, Automotive, Inverter & UPS, Industrial, and Others), and Regional Forecasts, 2022-2032**

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## **Abstracts**

Power MOSFET Market Size, Share, and Analysis, By Type (Depletion Mode Power MOSFET and Enhancement Mode Power MOSFET), Power Rate (High Power, Medium Power, and Low Power), and Application (Energy & Power, Consumer Electronics, Automotive, Inverter & UPS, Industrial, and Others), and Regional Forecasts, 2022-2032

## **PRODUCT OVERVIEW**

The Global Power MOSFET market size was USD 12.23 billion in 2021 and projected to grow from USD 13.8 billion in 2023 to USD 23.8 billion by 2032, exhibiting a CAGR of 6.3% during the forecast period.

MOSFET is a phrase for Metal Oxide Semiconductor Field Effect Transistor. It is a semiconductor of power utilized as an electronic switch device for controlling the load when required. To replace the bipolar junction transistor (BJT), this is a cost-effective method. It also helps in managing the power by reducing energy consumption in applications like consumer electronics, industrial systems, and electric vehicles. It also aids in preventing power loss, & for amplifying electronic signals in devices. Electric automobiles use power MOSFETs frequently

to recover rapid substituting, avert electrical failure & enhance electrical signals.

## MARKET HIGHLIGHTS

The global power MOSFET Market is expected to reach USD 23.8 billion at a CAGR of 6.3% during forecast period. Power MOSFET market is expected to grow rapidly as it has several applications in electric devices. The investments in research & development has increased. Power MOSFET is cost-effective electronic switch device, which replaced bipolar junction transistor. Automotive and industrial sectors are leading due to high demand. The demand for technology has increased due to the smart appliances like speakers, smart homes, and other devices, which will increase the production lines globally, and is expected drive the power MOSFET market growth.

Global Power MOSFET Market Segments:

### By Type

Depletion Mode Power MOSFET

Enhancement Mode Power MOSFET

### By Power Rate

High Power

Medium Power

Low Power

### By Application

Energy & Power

Consumer Electronics

Automotive

Inverter & UPS

Industrial

Others

## MARKET DYNAMICS

### Growth Drivers

Increased Electrical Equipment Dependency is Expected to Boost the Growth of the Market

Importance of Power Saving is Expected to Boost the Growth of the Market

### Restraint

Limitations in Operations and High Costs May Restrain the Market Growth

### Key Players

Digi-Key Electronics

Infineon Technologies AG

IXYS Corporation Power Integration

Hitachi Power Semiconductor Device Ltd.

Microchip Technology Inc.

ST Microelectronics

Mitsubishi Electric Corporation

Vishay Siliconix

Panasonic Corporation

Sumitomo Electric Industries Ltd.

Texas Instruments

Power Integration Inc.

Renesas Electronics Corporation

NXP Semiconductors

Toshiba Electronic Devices

Other Prominent Players

(Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

## Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

### Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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