

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Gate Drivers Market 2018, Forecast to 2023

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Abstracts

Gate drivers are electronic circuits that apply correct power levels to metal-oxide field-effect transistors (MOSFETs) and insulated gate bipolar transistors (IGBTs). With power-MOSFETs, gate drivers can be implemented as transformers, discrete transistors, or dedicated integrated circuits (IC).

They can also be integrated within controller ICs. Partitioning the gate-drive function of controllers that use pulse width modulation (PWM) improves controller stability by eliminating the high peak currents and heat dissipation needed to drive power-MOSFETs at very high frequencies.

With IGBTs, gate drivers serve as isolation amplifiers and often provide short-circuit protection. Because of their insulated gates, IGBTs require a continuous gate circuit in order to sustain gate current.

Scope of the Report:

This report focuses on the Gate Drivers in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. In the next five years, the global consumption of Gate Drivers will maintain a 11%-15% annual growth rate, sales are expected to beyond 65 m units in 2023, the average operating rate will remain at 80% to 90%.

Demand is driven by demographics and the health of the economy. The profitability of individual companies depends on their ability to bid accurately, secure contracts, and control costs. Large companies enjoy economies of scale in financing and the ability to

offer a broad range of services in many locations. Smaller companies can compete effectively by specializing in particular services or focusing on certain geography.

The global consumption is concentrated in Asia-Pacific, USA and Europe. China accounts about 26.7% share of the global sales volume in 2017.

The worldwide market for Gate Drivers is expected to grow at a CAGR of roughly 10.0% over the next five years, will reach 290 million US\$ in 2023, from 160 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

STMicroelectronics

Infineon

Fairchild Semiconductor

Rohm Semiconductor

Microchip Technology

ON Semiconductor

NXP Semiconductors

Intersil

Allegro MicroSystems

Texas Instruments

Analog Devices

Avago

Linear Technology

Richtek

Microsemi

Diodes

Power Integrations

Semtech

IXYS

NJR

Market Segment by Regions, regional analysis covers

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 etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

On-chip Gate Drivers

Discrete Gate Drivers

Market Segment by Applications, can be divided into

Home appliance

Motion Control

Display

Lighting

Automotive

Industrial

Others

There are 15 Chapters to deeply display the global Gate Drivers market.

Chapter 1, to describe Gate Drivers Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Gate Drivers, with sales, revenue, and price of Gate Drivers, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Gate Drivers, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Gate Drivers market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Gate Drivers sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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