

# Global Magnetically Coupled Isolated Gate Drivers Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Magnetically Coupled Isolated Gate Drivers market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

A magnetically coupled isolated gate driver is an electronic device driver that isolates input and output signals and delivers drive signals through magnetic coupling. It is commonly used to drive power switching devices such as metal-oxide-semiconductor field-effect transistors (MOSFETs) or insulated-gate bipolar transistors (IGBTs) in high-voltage or high-current applications. Magnetically coupled isolated gate drivers typically include an input and an output connected to each other through a magnetic coupler. The input terminal receives a low-voltage or low-current control signal, which is transmitted to the output terminal through magnetic coupling, and the output terminal generates a high-voltage or high-current driving signal to control the on and off of the power switching device. One of the advantages of magnetically coupled isolated gate drivers is that they can provide electrical isolation between the input and output, allowing signals to be passed without sharing a ground, improving system safety and reliability. In addition, it enables logic level conversion of signals and interference isolation to effectively drive power switching devices at different levels or in noisy environments. Magnetically coupled isolated gate drivers are widely used in many applications, such as in industrial control systems, power electronics, frequency converters, electric vehicle charging stations, and more.

This report studies the global Magnetically Coupled Isolated Gate Drivers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for

Magnetically Coupled Isolated Gate Drivers, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Magnetically Coupled Isolated Gate Drivers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Magnetically Coupled Isolated Gate Drivers total production and demand, 2018-2029, (K Units)

Global Magnetically Coupled Isolated Gate Drivers total production value, 2018-2029, (USD Million)

Global Magnetically Coupled Isolated Gate Drivers production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Magnetically Coupled Isolated Gate Drivers consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Magnetically Coupled Isolated Gate Drivers domestic production, consumption, key domestic manufacturers and share

Global Magnetically Coupled Isolated Gate Drivers production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Magnetically Coupled Isolated Gate Drivers production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Magnetically Coupled Isolated Gate Drivers production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Magnetically Coupled Isolated Gate Drivers market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Analog Devices Inc., Infineon Technologies, onsemi, Power Integrations, Rohm Semiconductor and STMicroelectronics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Magnetically Coupled Isolated Gate Drivers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Magnetically Coupled Isolated Gate Drivers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Magnetically Coupled Isolated Gate Drivers Market, Segmentation by Type

Single Channel

Dual Channel

## Four Channels

### Global Magnetically Coupled Isolated Gate Drivers Market, Segmentation by Application

Industrial

Energy

Automobile

Other

### Companies Profiled:

Analog Devices Inc.

Infineon Technologies

onsemi

Power Integrations

Rohm Semiconductor

STMicroelectronics

### Key Questions Answered

1. How big is the global Magnetically Coupled Isolated Gate Drivers market?
2. What is the demand of the global Magnetically Coupled Isolated Gate Drivers market?
3. What is the year over year growth of the global Magnetically Coupled Isolated Gate Drivers market?

4. What is the production and production value of the global Magnetically Coupled Isolated Gate Drivers market?

5. Who are the key producers in the global Magnetically Coupled Isolated Gate Drivers market?

6. What are the growth factors driving the market demand?

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