

Global GCT Thyristor Supply, Demand and Key Producers, 2023-2029

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Abstracts

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

GCT thyristor (Gate Commutated Thyristor) is a type of semiconductor switching device used in power electronics. It is a high voltage, high current device capable of controlling AC and DC power flows. GCT thyristors have an additional MOSFET gate control circuit that provides rapid turn-off capabilities, allowing for better power control and efficiency. This is different from conventional thyristors, which have limitations in terms of switching frequency and voltage. GCT thyristors are commonly used in a variety of applications, including motor drives, power supplies, high voltage DC transmission systems, and renewable energy systems such as wind turbines and solar inverters. They are also used in electric vehicles, high power welding, and heavy industry.

This report studies the global GCT Thyristor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GCT Thyristor, 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 GCT Thyristor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GCT Thyristor total production and demand, 2018-2029, (K Units)

Global GCT Thyristor total production value, 2018-2029, (USD Million)

Global GCT Thyristor production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GCT Thyristor consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: GCT Thyristor domestic production, consumption, key domestic manufacturers and share

Global GCT Thyristor production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global GCT Thyristor production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GCT Thyristor production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global GCT Thyristor 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 Mitsubishi Electric Corporation, Infineon technologies, ABB, Hitachi, Tianjin Century Electronics, ON Semiconductor Corporation, IXYS Corporation, STMicroelectronics and NXP Semiconductors, 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 GCT Thyristor 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 GCT Thyristor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GCT Thyristor Market, Segmentation by Type

General Power

Medium Power

High Power

Super Power

Global GCT Thyristor Market, Segmentation by Application

Power Semiconductors

Capacitors

Converters

Others

Companies Profiled:

Mitsubishi Electric Corporation

Infineon technologies

ABB

Hitachi

Tianjin Century Electronics

ON Semiconductor Corporation

IXYS Corporation

STMicroelectronics

NXP Semiconductors

Renesas Electronics

Vishay Intertechnology

Key Questions Answered

1. How big is the global GCT Thyristor market?
2. What is the demand of the global GCT Thyristor market?
3. What is the year over year growth of the global GCT Thyristor market?
4. What is the production and production value of the global GCT Thyristor market?
5. Who are the key producers in the global GCT Thyristor market?

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

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