

Global High Power HVDC Thyristors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global High Power HVDC Thyristors market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

High Power HVDC Thyristors refer to semiconductor devices specifically designed to handle large amounts of electrical power in High Voltage Direct Current (HVDC) transmission systems. These thyristors are critical components in HVDC converter stations, where they facilitate the conversion of alternating current (AC) to direct current (DC) for efficient long-distance power transmission.

This report is a detailed and comprehensive analysis for global High Power HVDC Thyristors 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 High Power HVDC Thyristors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global High Power HVDC Thyristors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2021-2032

Global High Power HVDC Thyristors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global High Power HVDC Thyristors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 High Power HVDC Thyristors
- 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 High Power HVDC Thyristors 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 Xi'An Peri Power, Infineon, Hitachi Energy, ABB, Zhuzhou CRRC Times Electric, etc.

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

Market Segmentation

High Power HVDC Thyristors market is split by Type and by Application. For the period 2021-2032, 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

Bi-Directionally Controlled Thyristors

Phase-Controlled Thyristors

Others

Market segment by Application

High Voltage Transmission

Ultra High Voltage Transmission

Major players covered

Xi'An Peri Power

Infineon

Hitachi Energy

ABB

Zhuzhou CRRC Times Electric

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 High Power HVDC Thyristors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Power HVDC Thyristors, with price, sales quantity, revenue, and global market share of High Power HVDC Thyristors from 2021 to 2026.

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

Chapter 4, the High Power HVDC Thyristors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and High Power HVDC Thyristors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 High Power HVDC Thyristors.

Chapter 14 and 15, to describe High Power HVDC Thyristors sales channel, distributors, customers, research findings and conclusion.

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