

# Global Phase Shifting Transformers Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Phase Shifting Transformers market size was valued at USD 98.8 million in 2023 and is forecast to a readjusted size of USD 151.7 million by 2030 with a CAGR of 6.3% during review period.

A phase-shifting transformer is a device for controlling the power flow through specific lines in a complex power transmission network. The basic function of a phase-shifting transformer is to change the effective phase displacement between the input voltage and the output voltage of a transmission line, thus controlling the amount of active power that can flow in the line.

Phase shifting transformers (PST) are crucial components in the ongoing strive for improved AC network efficiency. Increasing amounts of transmitted energy push the networks to the limit, increasing the risk of network instability.

PSTs allow controlling the power flow in the transmission grid independently of the generation. By avoiding system overloads and instabilities protect transmission lines and HV equipment from thermal overload, improve transmission system stability and control the power flow between different networks, for parallel long distance overhead lines or for parallel cables.

PSTs are highly specialized pieces of equipment that require leading-edge design and manufacturing skills combined with stringent quality control. They are highly complex power transformers, with more windings and tap changers than traditional power transformers and a large number of connections between the three-phases.

The main players in Phase Shifting Transformer market are Siemens, ABB, Tamini, Baoding Tianwei Baobian Electric and a few others. The top 3 are Siemens, ABB, Tamini with 93% market shares. Europe is the largest consumption place, with about 95% market shares.

The Global Info Research report includes an overview of the development of the Phase Shifting Transformers industry chain, the market status of Re-Distribute Power in Parallel Lines (Both Ends Are at Same Voltage Level) (Below 400 M VA, 400 MVA-800 MVA), Direct Power from One Voltage Level to Another (Auto-Transformer + PST) (Below 400 M VA, 400 MVA-800 MVA), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Phase Shifting Transformers.

Regionally, the report analyzes the Phase Shifting Transformers markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Phase Shifting Transformers market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Phase Shifting Transformers market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Phase Shifting Transformers industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Below 400 M VA, 400 MVA-800 MVA).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Phase Shifting Transformers market.

**Regional Analysis:** The report involves examining the Phase Shifting Transformers

market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Phase Shifting Transformers market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Phase Shifting Transformers:

**Company Analysis:** Report covers individual Phase Shifting Transformers manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Phase Shifting Transformers. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Re-Distribute Power in Parallel Lines (Both Ends Are at Same Voltage Level), Direct Power from One Voltage Level to Another (Auto-Transformer + PST)).

**Technology Analysis:** Report covers specific technologies relevant to Phase Shifting Transformers. It assesses the current state, advancements, and potential future developments in Phase Shifting Transformers areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Phase Shifting Transformers market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Phase Shifting Transformers market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Below 400 M VA

400 MVA-800 MVA

Over 800 MVA

### Market segment by Application

Re-Distribute Power in Parallel Lines (Both Ends Are at Same Voltage Level)

Direct Power from One Voltage Level to Another (Auto-Transformer + PST)

### Major players covered

Siemens

ABB

Toshiba

Raychem RPG

SGB\_SMIT

CG

Tamini

Baoding Tianwei Baobian 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 Phase Shifting Transformers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Phase Shifting Transformers, with price, sales, revenue and global market share of Phase Shifting Transformers from 2019 to 2024.

Chapter 3, the Phase Shifting Transformers competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Phase Shifting Transformers breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Phase Shifting Transformers market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Phase Shifting Transformers.

Chapter 14 and 15, to describe Phase Shifting Transformers sales channel, distributors, customers, research findings and conclusion.

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