

Global Phase Shifting Transformers Market Research Report 2022 Professional Edition

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Abstracts

The global Phase Shifting Transformers market was valued at 74.09 Million USD in 2021 and will grow with a CAGR of 6.6% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

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. In an increasingly complex power-generation landscape and a growing energy market, the capability to control the flow of power is fast gaining in crucial importance. This is the area, where phase-shifting transformers (PST) excel. Grid operators use this capability to increase the transmission capacity of the network, while minimizing expensive grid expansions. These transformers protect lines, make grids more reliable, and reduce transmission losses. And they are among the most economic and cost-efficient solutions for power-flow management out there. With growing need from power grids worldwide, orders are growing year by year. The main players in Phase Shifting Transformer market are Siemens, ABB, Tamini, Baoding Tianwei Baobian Electric and a few others. They attracted most of the orders, either for domestic or out abroad requirements. Phase Shifting Transformers can be Single-Core or Two-Core, Single tank or Two tank, Symmetrical or Non-symmetrical, 90° regulation

or 60° regulation design, based on different parameters. The most common types are: Two-core design in symmetric or asymmetric configuration and Single-core design in symmetric or asymmetric configuration. Both of them allow a possible addition of an in-phase voltage regulation, to compensate the net voltage fluctuation or to combine in-phase and quadrature regulation. Phase-shifting transformers are highly complex units. To meet the unique needs of each specific customer, phase shifters are often custom-designed and manufactured to specification. The growth of the Phase Shifting Transformer (PST) market is likely to be driven by developing economies such as India, Brazil, and Saudi Arabia, with upcoming long-distance transmission network projects. However, the market in certain developed countries such as the US, Japan, and Australia is expected to decline in the long term future, thereby restricting the scope of future market growth in these countries.

By Market Vendors:

Siemens

ABB

Tamini

Baoding Tianwei Baobian Electric

By Types:

Below 400 MVA

400 MVA-800 MVA

Over 800 MVA

By Applications:

re-distribute power in parallel lines (both ends are at same voltage level)

direct power from one voltage level to another (auto-transformer + PST)

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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Key Data Information from Secondary Sources

Key Data Information from Primary Sources

Global Phase Shifting Transformers Market Share by Type: 2021 VS 2027

Below 400 M VA Features

400 MVA-800 MVA Features

Over 800 MVA Features

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