

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Phase Shifting Transformers Market 2018, Forecast to 2023

<https://marketpublishers.com/r/G7E9A0D209CEN.html>

Date: June 2018

Pages: 131

Price: US\$ 4,880.00 (Single User License)

ID: G7E9A0D209CEN

Abstracts

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.

Scope of the Report:

This report focuses on the Phase Shifting Transformers in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. 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.

The worldwide market for Phase Shifting Transformers is expected to grow at a CAGR of roughly 6.8% over the next five years, will reach 100 million US\$ in 2023, from 73 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Siemens

ABB

Tamini

Baoding Tianwei Baobian Electric

Others

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Below 400 M VA

400 MVA-800 MVA

Over 800 MVA

Market Segment by Applications, can be divided into

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

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

There are 15 Chapters to deeply display the global Phase Shifting Transformers market.

Chapter 1, to describe Phase Shifting Transformers Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Phase Shifting Transformers, with sales, revenue, and price of Phase Shifting Transformers, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Phase Shifting Transformers, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Phase Shifting Transformers market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Phase Shifting Transformers sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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