

Global On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC) market size was valued at USD 624.4 million in 2023 and is forecast to a readjusted size of USD 896.4 million by 2030 with a CAGR of 5.3% during review period.

The tap changer is the key core component of the transformer, also known as the tap changing device of the transformer winding, that is, the tap changer is set at different parts of the transformer winding, and the number of turns of the transformer winding is changed by changing the position of the tap tap. voltage adjustment. At the same time, the tap changer is the only load-operating component in the transformer composition.

OLTC refers to a voltage regulating device suitable for operating under transformer excitation or load and used to change the tap connection position of transformer windings.

In the power grid system, OLTC can be used to adjust the voltage without interruption of power supply, so as to control the direction of power flow, realize cross-regional long-distance power transmission, and at the same time regulate the voltage of the power supply area caused by the change of load to stabilize the voltage. Grid voltage, improving power quality. In addition to the power grid system, transformers with high energy consumption levels of power equipment, large voltage load changes, and frequent start and stop also need to be equipped with OLTC to improve and stabilize power quality.

Global key players of On-load Tap Changer (OLTC) include Maschinenfabrik

Reinhausen, Huaming Power Equipment and Hitachi Energy, etc. The top three players hold a share about 90%. APAC is the largest market, has a share about 50%. Vacuum OLTC is the largest segment, occupied for a share of about 60%, and in terms of application, Electric Power Industry has a share about 35 percent.

The Global Info Research report includes an overview of the development of the On-load Tap Changer (OLTC) industry chain, the market status of Electric Power Industry (Vacuum OLTC, Conventional OLTC), Renewable (Solar, Wind) (Vacuum OLTC, Conventional OLTC), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of On-load Tap Changer (OLTC).

Regionally, the report analyzes the On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC) 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 (K Units), revenue generated, and market share of different by Type (e.g., Vacuum OLTC, Conventional OLTC).

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 On-load Tap Changer (OLTC) market.

Regional Analysis: The report involves examining the On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to On-load Tap Changer (OLTC):

Company Analysis: Report covers individual On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Power Industry, Renewable (Solar, Wind)).

Technology Analysis: Report covers specific technologies relevant to On-load Tap Changer (OLTC). It assesses the current state, advancements, and potential future developments in On-load Tap Changer (OLTC) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the On-load Tap Changer (OLTC) 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

On-load Tap Changer (OLTC) 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

Vacuum OLTC

Conventional OLTC

Market segment by Application

Electric Power Industry

Renewable (Solar, Wind)

HVDC

Network

Furnace

Electrolysis

Generator

Major players covered

Maschinenfabrik Reinhausen (MR)

Huaming Power Equipment

Hitachi Energy (ABB)

Elprom Heavy Industries

CTR Manufacturing Industries

Easun MR (EMR)

Shandong Taikai Transformer

On Load Gears

Zhejiang Tenglong Electrical Apparatus

Liaoning Jinli Electric Power Electrical Appliance

China XD Group

Krishna Power Industries

MACPOWER

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 On-load Tap Changer (OLTC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of On-load Tap Changer (OLTC), with price, sales, revenue and global market share of On-load Tap Changer (OLTC) from 2019 to 2024.

Chapter 3, the On-load Tap Changer (OLTC) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC) 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 On-load Tap Changer (OLTC).

Chapter 14 and 15, to describe On-load Tap Changer (OLTC) sales channel, distributors, customers, research findings and conclusion.

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