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# Global Power Quality Equipment Market Size Study, by End-User (Industrial & Manufacturing, Commercial, Residential, Transportation, and Utilities), Phase (Single Phase, Three Phase), Equipment (Uninterruptible Power Supply, Static VAR Compensator, Power Quality Meters, and Others) and Regional Forecasts 2022-2032

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## Abstracts

The Global Power Quality Equipment Market, valued at approximately USD 28.15 billion in 2023, is anticipated to grow at a CAGR of 5.46% over the forecast period 2024-2032. The growing emphasis on efficient energy management, increasing demand for reliable and uninterrupted power supply, and the rapid expansion of smart grids and industrial automation are significantly driving market growth. Rising incidences of voltage fluctuations, power outages, and equipment failures across industrial and commercial sectors have fueled the demand for power quality equipment, ensuring optimal performance and minimal downtime for electrical systems.

With industries worldwide striving for enhanced operational efficiency and energy conservation, there is an increasing inclination toward power conditioning and voltage regulation solutions. Moreover, the widespread adoption of renewable energy sources such as wind and solar power has accentuated the necessity of power quality management systems to maintain grid stability and ensure seamless energy distribution. Furthermore, stringent government regulations regarding power reliability and energy efficiency are encouraging industries and commercial facilities to invest in advanced power quality equipment that minimizes disruptions and enhances productivity.

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However, the high initial investment costs and complex integration challenges with existing electrical infrastructure pose challenges to widespread adoption. Additionally, the limited awareness regarding the long-term benefits of power quality equipment, particularly in emerging economies, may restrain market growth. Despite these challenges, increasing advancements in smart power monitoring technologies, the emergence of Internet of Things (IoT)-enabled power quality solutions, and the growing demand for electric vehicles (EVs) are expected to create lucrative opportunities for market players. The transition toward smart grids and digital substations will further propel demand for intelligent power quality monitoring systems equipped with predictive maintenance capabilities.

Regionally, North America dominated the market in 2023, driven by rapid industrialization, robust infrastructure investments, and stringent regulatory standards concerning power efficiency and reliability in the United States and Canada. Europe is also witnessing significant growth, supported by widespread adoption of smart grid technologies and energy management solutions across industries. Meanwhile, Asia-Pacific is projected to be the fastest-growing regional market over the forecast period, attributed to the rapid expansion of urbanization, industrial automation, and government-led electrification programs in countries like China, India, and Japan. The increasing demand for power backup solutions and the rising penetration of renewable energy sources further contribute to market expansion in this region.

Major Market Players Included in This Report:

Schneider Electric SE

ABB Ltd.

Siemens AG

General Electric Company

Eaton Corporation plc

Mitsubishi Electric Corporation

Legrand SA

Emerson Electric Co.

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Toshiba Corporation

Socomec Group

Fuji Electric Co., Ltd.

Hitachi Energy Ltd.

AMETEK, Inc.

Vertiv Holdings Co.

Cyber Power Systems, Inc.

The Detailed Segments and Sub-Segments of the Market are Explained Below:

By End-User:

Industrial & Manufacturing

Commercial

Residential

Transportation

Utilities

By Phase:

Single Phase

Three Phase

By Equipment:

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Uninterruptible Power Supply (UPS)

Static VAR Compensator (SVC)

Power Quality Meters

Others

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

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Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year – 2022, 2023

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years (2022-2032).

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Annualized revenue and regional-level analysis for each market segment.

In-depth analysis of the geographical landscape with country-level insights.

Competitive landscape assessment, including major players and their strategies.

Insights on key business strategies and recommendations for market expansion.

Comprehensive supply and demand analysis to identify emerging market trends and investment opportunities.

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