

Global Volt/VAR systems Market Size study, By Solution (Volt/VAR Control, Distribution Voltage Optimization, Conservation Voltage Reduction, Distribution Volt/VAR Control), and Regional Forecasts 2022-2028

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Abstracts

Global Volt/VAR systems Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028.

Volt/VAR optimization (VVO) refers to a process of optimally managing voltage levels and reactive power to achieve more efficient grid operation. Volt-VAR Systems regulate reactive power to manage voltage and offsets the impact of solar generation on the grid. Volt/VAR System comprised of different components such as hardware, and software. The rising electricity demand worldwide and growing expansion of renewable power integration as well as increasing concern over energy efficiency and system voltages are factors that are accelerating the global market demand. For instance, as per International Energy Agency (IEA)- In 2019, total electricity consumption worldwide reached to 22 848 TWh, witnessing an increase of over 1.7% from 2018. Furthermore, in 2020, the UK's electricity consumption was estimated at 287.32 TWh and it further increased to 294.4 TWh in 2021. Further, leading market players are coming up with innovative solutions to leverage the growing demand for Vola/VAR Systems. For instance, In February 2019, France based Schneider Electric unveiled the Ecostruxure Power 2.0. The EcoStruxure Power architecture uses EcoStruxure Microgrid Operation to manage the Distributed Energy Resources (DER) and the protection systems for increased microgrid stability and efficiency. Also, growing automation in Power distribution Sector and increasing investment towards new renewable energy projects are anticipated to act as a catalyzing factor for the market demand during the forecast

period. However, high deployment cost associated with Volt/VAR systems impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Volt/VAR systems Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing power and distribution sector as well as presence of leading market players. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as the thriving growth of the renewable energy sector and rising electricity consumption in the region, would create lucrative growth prospects for the Volt/VAR systems Market across the Asia Pacific region.

Major market players included in this report are:

ABB

General Electric Company

Schneider Electric

Siemens AG

Silver Spring Networks

Beckwith Electric Co., Inc

Eaton

GRIDCO SYSTEMS

S&C Electric Company

Varentec

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Solution

Volt/VAR Control

Distribution Voltage Optimization

Conservation Voltage Reduction

Distribution Volt/VAR Control

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Volt/VAR systems Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
 - 1.2.1. Global Volt/VAR systems Market, by Region, 2020-2028 (USD Million)
 - 1.2.2. Global Volt/VAR systems Market, by Solution, 2020-2028 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL VOLT/VAR SYSTEMS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL VOLT/VAR SYSTEMS MARKET DYNAMICS

- 3.1. Volt/VAR systems Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing electricity demand worldwide.
 - 3.1.1.2. Rising expansion of renewable power integration
 - 3.1.1.3. Increasing concern over energy efficiency and system voltages
 - 3.1.2. Market Challenges
 - 3.1.2.1. High initial cost requirement.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing automation in Power distribution Sector.
 - 3.1.3.2. Increasing investment towards new renewable energy projects.

CHAPTER 4. GLOBAL VOLT/VAR SYSTEMS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL VOLT/VAR SYSTEMS MARKET, BY SOLUTION

- 6.1. Market Snapshot
- 6.2. Global Volt/VAR systems Market by Solution, Performance - Potential Analysis
- 6.3. Global Volt/VAR systems Market Estimates & Forecasts by Solution 2018-2028 (USD Million)
- 6.4. Volt/VAR systems Market, Sub Segment Analysis
 - 6.4.1. VOLT/VAR Control
 - 6.4.2. Distribution Voltage Optimization
 - 6.4.3. Conservation Voltage Reduction
 - 6.4.4. Distribution VOLT/VAR Control

CHAPTER 7. GLOBAL VOLT/VAR SYSTEMS MARKET, REGIONAL ANALYSIS

- 7.1. Volt/VAR systems Market, Regional Market Snapshot
- 7.2. North America Volt/VAR systems Market
 - 7.2.1. U.S. Volt/VAR systems Market
 - 7.2.1.1. Solution estimates & forecasts, 2018-2028
 - 7.2.2. Canada Volt/VAR systems Market
- 7.3. Europe Volt/VAR systems Market Snapshot

- 7.3.1. U.K. Volt/VAR systems Market
- 7.3.2. Germany Volt/VAR systems Market
- 7.3.3. France Volt/VAR systems Market
- 7.3.4. Spain Volt/VAR systems Market
- 7.3.5. Italy Volt/VAR systems Market
- 7.3.6. Rest of Europe Volt/VAR systems Market
- 7.4. Asia-Pacific Volt/VAR systems Market Snapshot
 - 7.4.1. China Volt/VAR systems Market
 - 7.4.2. India Volt/VAR systems Market
 - 7.4.3. Japan Volt/VAR systems Market
 - 7.4.4. Australia Volt/VAR systems Market
 - 7.4.5. South Korea Volt/VAR systems Market
 - 7.4.6. Rest of Asia Pacific Volt/VAR systems Market
- 7.5. Latin America Volt/VAR systems Market Snapshot
 - 7.5.1. Brazil Volt/VAR systems Market
 - 7.5.2. Mexico Volt/VAR systems Market
- 7.6. Rest of The World Volt/VAR systems Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. ABB
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. General Electric Company
 - 8.2.3. Schneider Electric
 - 8.2.4. Siemens AG
 - 8.2.5. Silver Spring Networks
 - 8.2.6. Beckwith Electric Co., Inc
 - 8.2.7. Eaton
 - 8.2.8. GRIDCO SYSTEMS
 - 8.2.9. S&C Electric Company
 - 8.2.10. Varentec

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Volt/VAR systems Market, report scope

TABLE 2. Global Volt/VAR systems Market estimates & forecasts by Region 2018-2028 (USD Million)

TABLE 3. Global Volt/VAR systems Market estimates & forecasts by Solution 2018-2028 (USD Million)

TABLE 4. Global Volt/VAR systems Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 5. Global Volt/VAR systems Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 6. Global Volt/VAR systems Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 7. Global Volt/VAR systems Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 8. Global Volt/VAR systems Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 9. Global Volt/VAR systems Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 10. Global Volt/VAR systems Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 11. Global Volt/VAR systems Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 12. Global Volt/VAR systems Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 13. Global Volt/VAR systems Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 14. U.S. Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 15. U.S. Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 16. U.S. Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 17. Canada Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 18. Canada Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 19. Canada Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 20. UK Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 21. UK Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 22. UK Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 23. Germany Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 24. Germany Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 25. Germany Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 26. RoE Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 27. RoE Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 28. RoE Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 29. China Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 30. China Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 31. China Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 32. India Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 33. India Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 34. India Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 35. Japan Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 36. Japan Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 37. Japan Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 38. RoAPAC Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

Million)

TABLE 39. RoAPAC Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 40. RoAPAC Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 41. Brazil Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 42. Brazil Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 43. Brazil Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 44. Mexico Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 45. Mexico Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 46. Mexico Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 47. RoLA Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 48. RoLA Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 49. RoLA Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 50. Row Volt/VAR systems Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 51. Row Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 52. Row Volt/VAR systems Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 53. List of secondary sources, used in the study of global Volt/VAR systems Market

TABLE 54. List of primary sources, used in the study of global Volt/VAR systems Market

TABLE 55. Years considered for the study

TABLE 56. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Volt/VAR systems Market, research methodology
- FIG 2. Global Volt/VAR systems Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Volt/VAR systems Market, key trends 2021
- FIG 5. Global Volt/VAR systems Market, growth prospects 2022-2028
- FIG 6. Global Volt/VAR systems Market, porters 5 force model
- FIG 7. Global Volt/VAR systems Market, pest analysis
- FIG 8. Global Volt/VAR systems Market, value chain analysis
- FIG 9. Global Volt/VAR systems Market by segment, 2018 & 2028 (USD Million)
- FIG 10. Global Volt/VAR systems Market by segment, 2018 & 2028 (USD Million)
- FIG 11. Global Volt/VAR systems Market by segment, 2018 & 2028 (USD Million)
- FIG 12. Global Volt/VAR systems Market by segment, 2018 & 2028 (USD Million)
- FIG 13. Global Volt/VAR systems Market by segment, 2018 & 2028 (USD Million)
- FIG 14. Global Volt/VAR systems Market, regional snapshot 2018 & 2028
- FIG 15. North America Volt/VAR systems Market 2018 & 2028 (USD Million)
- FIG 16. Europe Volt/VAR systems Market 2018 & 2028 (USD Million)
- FIG 17. Asia pacific Market 2018 & 2028 (USD Million)
- FIG 18. Latin America Volt/VAR systems Market 2018 & 2028 (USD Million)
- FIG 19. Global Volt/VAR systems Market, company Market share analysis (2021)

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