

Global Microgrid Controller Market Size study & Forecast, by Connectivity (Grid-connected, Off-grid), by Offering (Hardware, Software and services), by End-Use Application (Commercial and industrial, Remote areas, Military, Government, Utilities, Healthcare, Institutes and campuses) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G9E28B0E5D5DEN.html>

Date: October 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G9E28B0E5D5DEN

Abstracts

Global Microgrid Controller Market is valued at approximately USD 3.43 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 1.5% over the forecast period 2022-2029. The essential function of a microgrid controller is to enable the establishment of a microgrid by managing various distributed energy supplies and loads in a specific electrical system in order to ensure dependable frequency and voltage. It assists in meeting the demand for electricity while preserving operational resilience and grid stability with less staffing. The Microgrid Controller market is expanding because of factors such as increasing emphasis on decarbonization and rise in energy demand and the need for expansion of renewable energy.

Growing government backing and an increase in the deployment of microgrid projects in remote locations are two major factors influencing the demand for microgrids for rural electrification. The International Energy Association estimates that 1 billion people live in rural places where there is a lack of energy due to the high cost of fossil fuels used to generate electricity and difficulties in delivering electricity to remote areas. This has prompted governments from various nations to boost their investments in energy infrastructure in order to supply consumers with effective, affordable, and efficient electricity. However, interoperability and compatibility issues due to large number of components/devices may halt market growth.

The key regions considered for the Global Microgrid Controller Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Due to the huge number of microgrid solution providers and the expanding repair and renovation of local utility grid infrastructure, North America dominated the market in terms of revenue. Due to factors like government efforts to replace ageing grid infrastructure and smart city projects, Asia Pacific is predicted to increase significantly during the projection period. Due to the growing need for power in the Asia Pacific area, the major market rivals are concentrating on fortifying their positions in developing nations like China and India.

Major market players included in this report are:

Schneider electric

General Electronics

ABB

Siemens

Eton corporation

Schweitzer engineering laboratories

Honeywell International Inc

Caterpillar Inc

S&C Electric company

Power analytics corporation

Recent Developments in the Market:

In March 2022, For its SEL-751 Feeder Protection Relay, SEL released two new field-upgradable cards and made a number of improvements that will broaden the offering spectrum.

In April 2022, The EcoStruxure Energy Hub was introduced by Schneider Electric as a self-service Internet of Things SaaS solution for managing digitalized electrical and energy infrastructure.

In June 2021, In order to provide the best operating model for producing inexpensive and environmentally friendly hydrogen, ABB teamed up with Axpo (Switzerland) to create modular hydrogen Connectivity facilities in Italy.

Global Microgrid Controller Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Connectivity, Offering, End-Use Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Connectivity offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Connectivity:

Grid-connected

Off-grid

By Offering:

Hardware

Software

Services

By End-Use Application:

Commercial and industrial

Remote areas

Military

Government

Utilities

Healthcare

Institutes and campuses

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

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Microgrid Controller Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Microgrid Controller Market, by Connectivity, 2019-2029 (USD Billion)
 - 1.2.3. Microgrid Controller Market, by Offering, 2019-2029 (USD Billion)
 - 1.2.4. Microgrid Controller Market, by End-Use Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL MICROGRID CONTROLLER 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 MICROGRID CONTROLLER MARKET DYNAMICS

- 3.1. Microgrid Controller Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing emphasis on decarbonization
 - 3.1.1.2. Rise in energy demand and need for expansion of renewable energy
 - 3.1.2. Market Challenges
 - 3.1.2.1. Interoperability and compatibility issues due to large number of components/devices
 - 3.1.2.2. Operational, technological, and security risks associated with microgrids
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Encouragement from governments to develop microgrid projects
 - 3.1.3.2. Modernization of aging grid infrastructure

CHAPTER 4. GLOBAL MICROGRID CONTROLLER MARKET INDUSTRY

Global Microgrid Controller Market Size study & Forecast, by Connectivity (Grid-connected, Off-grid), by Offer...

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
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

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

CHAPTER 6. GLOBAL MICROGRID CONTROLLER MARKET, BY CONNECTIVITY

- 6.1. Market Snapshot
- 6.2. Global Microgrid Controller Market by Connectivity, Performance - Potential Analysis
- 6.3. Global Microgrid Controller Market Estimates & Forecasts by Connectivity, 2019-2029 (USD Billion)
- 6.4. Microgrid Controller Market, Sub Segment Analysis
 - 6.4.1. Grid-connected
 - 6.4.2. Off-grid

CHAPTER 7. GLOBAL MICROGRID CONTROLLER MARKET, BY OFFERING

- 7.1. Market Snapshot
- 7.2. Global Microgrid Controller Market by Offering, Performance – Potential Analysis

7.3. Global Microgrid Controller Market Estimates & Forecasts by Offering, 2019-2029 (USD Billion)

7.4. Microgrid Controller Market, Sub Segment Analysis

7.4.1. Hardware

7.4.2. Software

7.4.3. Services

CHAPTER 8. GLOBAL MICROGRID CONTROLLER MARKET, BY END-USE APPLICATION

8.1. Market Snapshot

8.2. Global Microgrid Controller Market by End-Use Application, Performance - Potential Analysis

8.3. Global Microgrid Controller Market Estimates & Forecasts by End-Use Application, 2019-2029 (USD Billion)

8.4. Microgrid Controller Market, Sub Segment Analysis

8.4.1. Commercial and industrial

8.4.2. Remote areas

8.4.3. Military

8.4.4. Government

8.4.5. Utilities

8.4.6. Healthcare

8.4.7. Institutes and campuses

CHAPTER 9. GLOBAL MICROGRID CONTROLLER MARKET, REGIONAL ANALYSIS

9.1. Microgrid Controller Market, Regional Market Snapshot

9.2. North America Microgrid Controller Market

9.2.1. U.S. Microgrid Controller Market

9.2.1.1. Connectivity breakdown estimates & forecasts, 2019-2029

9.2.1.2. Offering breakdown estimates & forecasts, 2019-2029

9.2.1.3. End-Use Application breakdown estimates & forecasts, 2019-2029

9.2.2. Canada Microgrid Controller Market

9.3. Europe Microgrid Controller Market Snapshot

9.3.1. U.K. Microgrid Controller Market

9.3.2. Germany Microgrid Controller Market

9.3.3. France Microgrid Controller Market

9.3.4. Spain Microgrid Controller Market

- 9.3.5. Italy Microgrid Controller Market
- 9.3.6. Rest of Europe Microgrid Controller Market
- 9.4. Asia-Pacific Microgrid Controller Market Snapshot
 - 9.4.1. China Microgrid Controller Market
 - 9.4.2. India Microgrid Controller Market
 - 9.4.3. Japan Microgrid Controller Market
 - 9.4.4. Australia Microgrid Controller Market
 - 9.4.5. South Korea Microgrid Controller Market
 - 9.4.6. Rest of Asia Pacific Microgrid Controller Market
- 9.5. Latin America Microgrid Controller Market Snapshot
 - 9.5.1. Brazil Microgrid Controller Market
 - 9.5.2. Mexico Microgrid Controller Market
- 9.6. Rest of The World Microgrid Controller Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Schneider electric
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. General Electronics
 - 10.2.3. ABB
 - 10.2.4. Siemens
 - 10.2.5. Eton corporation
 - 10.2.6. Schweitzer engineering laboratories
 - 10.2.7. Honeywell International Inc
 - 10.2.8. Caterpillar Inc
 - 10.2.9. S&C Electric company
 - 10.2.10. Power analytics corporation

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis

- 11.1.3. Market Estimation
- 11.1.4. Validation
- 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Microgrid Controller Market, report scope
- TABLE 2. Global Microgrid Controller Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global Microgrid Controller Market estimates & forecasts by Connectivity 2019-2029 (USD Billion)
- TABLE 4. Global Microgrid Controller Market estimates & forecasts by Offering 2019-2029 (USD Billion)
- TABLE 5. Global Microgrid Controller Market estimates & forecasts by End-Use Application 2019-2029 (USD Billion)
- TABLE 6. Global Microgrid Controller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global Microgrid Controller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global Microgrid Controller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global Microgrid Controller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global Microgrid Controller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global Microgrid Controller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global Microgrid Controller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global Microgrid Controller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. Global Microgrid Controller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. Global Microgrid Controller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 16. U.S. Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 17. U.S. Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 18. U.S. Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 20. Canada Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE Microgrid Controller Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. RoE Microgrid Controller Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 40. China Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 41. China Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 44. India Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 47. Japan Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 50. South Korea Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 53. Australia Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 56. RoAPAC Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Microgrid Controller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row Microgrid Controller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Microgrid Controller Market

TABLE 71. List of primary sources, used in the study of global Microgrid Controller Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Microgrid Controller Market, research methodology
 - FIG 2. Global Microgrid Controller Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Microgrid Controller Market, key trends 2021
 - FIG 5. Global Microgrid Controller Market, growth prospects 2022-2029
 - FIG 6. Global Microgrid Controller Market, porters 5 force model
 - FIG 7. Global Microgrid Controller Market, pest analysis
 - FIG 8. Global Microgrid Controller Market, value chain analysis
 - FIG 9. Global Microgrid Controller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Microgrid Controller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Microgrid Controller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Microgrid Controller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Microgrid Controller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Microgrid Controller Market, regional snapshot 2019 & 2029
 - FIG 15. North America Microgrid Controller Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Microgrid Controller Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia Pacific Microgrid Controller Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Microgrid Controller Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Microgrid Controller Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Microgrid Controller Market Size study & Forecast, by Connectivity (Grid-connected, Off-grid), by Offering (Hardware, Software and services), by End-Use Application (Commercial and industrial, Remote areas, Military, Government, Utilities, Healthcare, Institutes and campuses) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G9E28B0E5D5DEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9E28B0E5D5DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970