

Global Smart Solar Power Market Size study & Forecast, by Device (Smart Solar Meters, IntelliGrid, RFID), by Solution (Asset Management, Network Monitoring, Meter Data Management, Analytics, SCADA, Remote Metering, Outage Management), by Application (Commercial, Industrial, Residential) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G11CC485CCD8EN.html>

Date: May 2024

Pages: 200

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

ID: G11CC485CCD8EN

Abstracts

Global Smart Solar Power Market is valued at approximately USD 15.22 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 13.60% over the forecast period 2023-2030. Smart Solar Power refers to the incorporation of sophisticated systems and cutting-edge technology into the production of solar energy to maximize effectiveness, enhance performance, and offer improved control and monitoring capabilities. The factor that drives the growth of the market is the increase in investment in the smart energy market as it leads to research and development activities and it also leads to infrastructure development which anticipates the growth of the market. As per the press release by International Energy Agency in June 2022, the energy investment globally is expected to increase by 8% in 2022 which is anticipated to increase the demand of the market. The other driving factor for the market is the reduction in the costs of Solar PV which tends to increase the demand of the market because of less cost and more demand. However, the high initial investment in smart solar power systems act as a restraint to the market.

The opportunity factor for the market is IoT and smart home integration as they present opportunities for improved monitoring, control, and optimization. The adoption of smart solar power is accelerated by the integration of solar power generation with other smart home systems and appliances. This provides seamless energy management, demand

response, and energy efficiency. As per Statista, between 2023 and 2027, it is projected to be around 311.9 million more homes worldwide participating in the smart home market, an increase of 86.47 percent. The other opportunity for the market is the scope for collaborations and partnerships as collaboration among solar power suppliers, tech companies, and energy management businesses may spur innovation and market growth.

The key regions considered for the Global Smart Solar Power Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the reasons such as the technological advancements in the region with favorable government policies and it has a large market size. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as increasing demand for renewable energy and the region having abundant solar resources.

Major market player included in this report are:

Schneider Electric SE

GENERAL ELECTRIC COMPANY

Itron Inc.

Siemens AG

ABB Ltd

Sensus USA Inc

Echelon Corporation

Calico Life Sciences LLC

Huawei Technologies Co. Ltd

HCL Technologies Ltd

Recent Developments in the Market:

In September 2022, A supplier of solar energy supplies called Renogy unveiled REGO, which is the first fully integrated smart solar power system for off-grid habitation. The REGO Series solutions are a true plug-and-play power system where all components function together effortlessly, saving customers time and worry. They are specifically intended for novices, do-it-yourselfers, and experienced solar users.

In January 2023, To achieve the Project Zero goal and lessen the negative impact of using fossil fuels, Lonestar Cell Mobile Telecommunications Network announced the construction of smart solar-hybrid generators at significant locations around the country. In an effort to reduce carbon emissions and promote corporate sustainability, the corporation started Project Zero to help Liberia combat climate change.

Global Smart Solar Power Battery Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Device, Solution, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Device:

Smart Solar Meters

IntelliGrid

RFID

By Solution:

Asset Management

Network Monitoring

Meter Data Management

Analytics

SCADA

Remote Metering

Outage Management

By Application:

Commercial

Industrial

Residential

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Smart Solar Power Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Smart Solar Power Market, by Device, 2020-2030 (USD Billion)
 - 1.2.3. Smart Solar Power Market, by Solution, 2020-2030 (USD Billion)
 - 1.2.4. Smart Solar Power Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SMART SOLAR POWER MARKET DEFINITION AND SCOPE

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

CHAPTER 3. GLOBAL SMART SOLAR POWER MARKET DYNAMICS

- 3.1. Smart Solar Power Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increase in investment in the smart energy
 - 3.1.1.2. Reduction in costs of Solar PV
 - 3.1.2. Market Challenges
 - 3.1.2.1. High initial investment of smart solar power system
 - 3.1.3. Market Opportunities
 - 3.1.3.1. IoT and Smart Home integration with smart solar power
 - 3.1.3.2. Scope for collaborations and partnerships

CHAPTER 4. GLOBAL SMART SOLAR POWER MARKET SOLUTION 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. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Solution Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SMART SOLAR POWER MARKET, BY DEVICE

- 5.1. Market Snapshot
- 5.2. Global Smart Solar Power Market by Device, Performance - Potential Analysis
- 5.3. Global Smart Solar Power Market Estimates & Forecasts by Device 2020-2030 (USD Billion)
- 5.4. Smart Solar Power Market, Sub Segment Analysis
 - 5.4.1. Smart Solar Meters
 - 5.4.2. IntelliGrid
 - 5.4.3. RFID

CHAPTER 6. GLOBAL SMART SOLAR POWER MARKET, BY SOLUTION

- 6.1. Market Snapshot
- 6.2. Global Smart Solar Power Market by Solution, Performance - Potential Analysis
- 6.3. Global Smart Solar Power Market Estimates & Forecasts by Solution 2020-2030 (USD Billion)
- 6.4. Smart Solar Power Market, Sub Segment Analysis
 - 6.4.1. Asset Management
 - 6.4.2. Network Monitoring

- 6.4.3. Meter Data Management
- 6.4.4. Analytics
- 6.4.5. SCADA
- 6.4.6. Remote Metering
- 6.4.7. Outrage Management

CHAPTER 7. GLOBAL SMART SOLAR POWER MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Smart Solar Power Market by Application, Performance - Potential Analysis
- 7.3. Global Smart Solar Power Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 7.4. Smart Solar Power Market, Sub Segment Analysis
 - 7.4.1. Commercial
 - 7.4.2. Industrial
 - 7.4.3. Residential

CHAPTER 8. GLOBAL SMART SOLAR POWER MARKET, REGIONAL ANALYSIS

- 8.1. Top Leading Countries
- 8.2. Top Emerging Countries
- 8.3. Smart Solar Power Market, Regional Market Snapshot
- 8.4. North America Smart Solar Power Market
 - 8.4.1. U.S. Smart Solar Power Market
 - 8.4.1.1. Device breakdown estimates & forecasts, 2020-2030
 - 8.4.1.2. Solution breakdown estimates & forecasts, 2020-2030
 - 8.4.1.3. Application breakdown estimates & forecasts, 2020-2030
 - 8.4.2. Canada Smart Solar Power Market
- 8.5. Europe Smart Solar Power Market Snapshot
 - 8.5.1. U.K. Smart Solar Power Market
 - 8.5.2. Germany Smart Solar Power Market
 - 8.5.3. France Smart Solar Power Market
 - 8.5.4. Spain Smart Solar Power Market
 - 8.5.5. Italy Smart Solar Power Market
 - 8.5.6. Rest of Europe Smart Solar Power Market
- 8.6. Asia-Pacific Smart Solar Power Market Snapshot
 - 8.6.1. China Smart Solar Power Market
 - 8.6.2. India Smart Solar Power Market
 - 8.6.3. Japan Smart Solar Power Market

- 8.6.4. Australia Smart Solar Power Market
- 8.6.5. South Korea Smart Solar Power Market
- 8.6.6. Rest of Asia Pacific Smart Solar Power Market
- 8.7. Latin America Smart Solar Power Market Snapshot
 - 8.7.1. Brazil Smart Solar Power Market
 - 8.7.2. Mexico Smart Solar Power Market
- 8.8. Middle East & Africa Smart Solar Power Market
 - 8.8.1. Saudi Arabia Smart Solar Power Market
 - 8.8.2. South Africa Smart Solar Power Market
 - 8.8.3. Rest of Middle East & Africa Smart Solar Power Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Schneider Electric SE
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. General Electric Company
 - 9.3.3. Itron Inc.
 - 9.3.4. Seimens AG
 - 9.3.5. ABB Ltd
 - 9.3.6. Sensus USA Inc
 - 9.3.7. Echelon Corporation
 - 9.3.8. Calico Life Sciences LLC
 - 9.3.9. Huawei technologies Co. Ltd
 - 9.3.10. HCL Technologies Ltd.

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining

- 10.1.2. Analysis
- 10.1.3. Market Estimation
- 10.1.4. Validation
- 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Smart Solar Power Market, report scope

TABLE 2. Global Smart Solar Power Market estimates & forecasts by Region
2020-2030 (USD Billion)

TABLE 3. Global Smart Solar Power Market estimates & forecasts by Device
2020-2030 (USD Billion)

TABLE 4. Global Smart Solar Power Market estimates & forecasts by Solution
2020-2030 (USD Billion)

TABLE 5. Global Smart Solar Power Market estimates & forecasts by Application
2020-2030 (USD Billion)

TABLE 6. Global Smart Solar Power Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 7. Global Smart Solar Power Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Smart Solar Power Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Smart Solar Power Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Smart Solar Power Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Smart Solar Power Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 12. Global Smart Solar Power Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 13. Global Smart Solar Power Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 14. Global Smart Solar Power Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 15. Global Smart Solar Power Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 16. U.S. Smart Solar Power Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 17. U.S. Smart Solar Power Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 18. U.S. Smart Solar Power Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 19. Canada Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. RoE Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40. China Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 42. China Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 43. India Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 45. India Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 46. Japan Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 48. Japan Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 49. South Korea Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 51. South Korea Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 52. Australia Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 54. Australia Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 55. RoAPAC Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 57. RoAPAC Smart Solar Power Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 58. Brazil Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Smart Solar Power Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Smart Solar Power Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Smart Solar Power Market

TABLE 71. List of primary sources, used in the study of global Smart Solar Power 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 Smart Solar Power Market, research methodology
 - FIG 2. Global Smart Solar Power Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Smart Solar Power Market, key trends 2022
 - FIG 5. Global Smart Solar Power Market, growth prospects 2023-2030
 - FIG 6. Global Smart Solar Power Market, porters 5 force model
 - FIG 7. Global Smart Solar Power Market, pest analysis
 - FIG 8. Global Smart Solar Power Market, value chain analysis
 - FIG 9. Global Smart Solar Power Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Smart Solar Power Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Smart Solar Power Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Smart Solar Power Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Smart Solar Power Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Smart Solar Power Market, regional snapshot 2020 & 2030
 - FIG 15. North America Smart Solar Power Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Smart Solar Power Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Smart Solar Power Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Smart Solar Power Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Smart Solar Power Market 2020 & 2030 (USD Billion)
- 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 Smart Solar Power Market Size study & Forecast, by Device (Smart Solar Meters, IntelliGrid, RFID), by Solution (Asset Management, Network Monitoring, Meter Data Management, Analytics, SCADA, Remote Metering, Outage Management), by Application (Commercial, Industrial, Residential) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G11CC485CCD8EN.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/G11CC485CCD8EN.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