

Global Hybrid Power Solutions Market Size study & Forecast, by System Type (Solar-Diesel, Wind-Diesel, Solar-Wind-Diesel, Others), Power Rating (Up to 10 kW, 11 kW-100 kW, and Above 100 kW), End-User (Residential, Commercial, Telecom, Others) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GA7D8B287692EN.html>

Date: July 2023

Pages: 200

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

ID: GA7D8B287692EN

Abstracts

Global Hybrid Power Solutions Market is valued approximately at USD 745.64 million in 2022 and is anticipated to grow with a growth rate of more than 8.13% over the forecast period 2023-2030. Hybrid Power Solutions is a hybrid power plant or microgrid that combines renewable energy sources, thermal power generation, and energy storage devices. Storing excess energy and utilising rapid power top-ups from engine and turbine GenSets fed by petrol, liquid fuels or even synthetic or bio fuels can improve the reliability of wind and solar power systems. The market for hybrid power solutions is being driven by an increase in hybrid power generation, power generation using less fuel, and a reduction in carbon emissions. Additionally, as renewable energy technologies advance and petroleum prices rise, hybrid power systems are rising in prominence. The availability of manufacturers, as well as various government incentives, has encouraged the use of hybrid power systems. Furthermore, factors such as cost effectiveness, decreased maintenance requirements and increased efficiency are also driving demand for hybrid power systems market.

A photovoltaic (PV) diesel hybrid system typically comprises of a PV system, diesel generators, and sophisticated management to guarantee that the solar energy delivered into the system precisely meets the demand at that particular moment. According to the [iea.org](https://www.iea.org) in 2022, Solar Photovoltaic (PV) generation experienced an unprecedented surge, surpassing 1,000 TWh in total power generation in 2021. This remarkable

achievement was fueled by a record-breaking increase of 179 TWh, representing a growth rate of 22% compared to the previous year. Notably, solar PV accounted for 3.6% of global electricity generation, underscoring its significant contribution to the global energy mix. As a result, the government is enacting regulations and issuing bids with a USD 100 billion investment goal, so launching the hybrid power market. Additionally, growing adoption of renewable energy and supportive government initiatives and investment is anticipated to create the lucrative opportunity for the market during forecast period.. However, the higher initial investment in hybrid power solutions stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Hybrid Power Solutions Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 with largest market share owing to the advancement of renewable energy technology, the rise in petroleum product costs and power generation with reduced fuel and supportive government initiatives and investments in renewable energy. Europe is expected to grow significantly during the forecast period, owing to rising adoption of renewable energy in the region, growing investments in in hybrid solar and wind energy projects, cohesive government initiatives, and growing awareness to reduction in carbon emission in the region is anticipated to support the market growth.

Major market player included in this report are:

MAN Energy Solutions SE

Guangzhou HY Energy Technology Limited Corp.

Kestrel Renewable Energy

KYOCERA Corporation

Eaton Corporation

Panasonic Corporation

Schneider Electric

Sharp Electronics

Suzlon Group

Siemens Gamesa

Recent Developments in the Market:

In November 2022, Newly launched solar inverter and solutions provider Solinteg has launched a range of new PV products in recent months as it expands its international presence and targets 2GW of production capacity next year, rising to 10GW in 2025. A wide variety of 3-50kW hybrid inverters, including single-phase 3-8kW, three-phase 4-12kW, three-phase 10-20kW, and three-phase 25-50kW, are available from the firm.

The firm just finished a Series A investment round, which was organised by TCL Ventures and other monetary investors, to assist its further expansion.

In January 2023, EU and Industry launch new project charting the way for interconnected offshore wind farms and energy islands. By 2050, Europe hopes to have constructed 450 GW of offshore wind. By then, the EU intends to have 300 GW on its own. The achievement of this goal will depend increasingly on so-called hybrid offshore wind farms.

Global Hybrid Power Solutions 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 - System Type, Power Rating , End User, 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 System type:

Solar-Diesel

Wind-Diesel

Solar-Wind-Diesel

Others

By Power Rating:

Up to 10 kW

11 kW-100 kW

Above 100 kW

By End User:

Residential
Commercial
Telecom
Others

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 Million)
 - 1.2.1. Hybrid Power Solutions Market, by region, 2020-2030 (USD Million)
 - 1.2.2. Hybrid Power Solutions Market, by System Type, 2020-2030 (USD Million)
 - 1.2.3. Hybrid Power Solutions Market, by Power Rating, 2020-2030 (USD Million)
 - 1.2.4. Hybrid Power Solutions Market, by End User, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL HYBRID POWER SOLUTIONS 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 HYBRID POWER SOLUTIONS MARKET DYNAMICS

- 3.1. Hybrid Power Solutions Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Reliable power generation with minimized fuel, and reduced operations
 - 3.1.1.2. Growth in hybrid power generation in off-grid sites
 - 3.1.2. Market Challenges
 - 3.1.2.1. High initial investment Cost of Hybrid Power Solutions
 - 3.1.2.2. Maintenance and Operational Challenges
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Installation of renewable energy
 - 3.1.3.2. Power generation with minimized fuel Reduction in carbon emission

CHAPTER 4. GLOBAL HYBRID POWER SOLUTIONS 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 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. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL HYBRID POWER SOLUTIONS MARKET, BY SYSTEM TYPE

- 5.1. Market Snapshot
- 5.2. Global Hybrid Power Solutions Market by System Type, Performance - Potential Analysis
- 5.3. Global Hybrid Power Solutions Market Estimates & Forecasts by System Type 2020-2030 (USD Million)
- 5.4. Hybrid Power Solutions Market, Sub Segment Analysis
 - 5.4.1. Solar-Diesel
 - 5.4.2. Wind-Diesel
 - 5.4.3. Solar-Wind-Diesel
 - 5.4.4. Others

CHAPTER 6. GLOBAL HYBRID POWER SOLUTIONS MARKET, BY POWER RATING

- 6.1. Market Snapshot

6.2. Global Hybrid Power Solutions Market by Power Rating, Performance - Potential Analysis

6.3. Global Hybrid Power Solutions Market Estimates & Forecasts by Power Rating 2020-2030 (USD Million)

6.4. Hybrid Power Solutions Market, Sub Segment Analysis

6.4.1. Up to 10 kW

6.4.2. 11 kW-100 kW

6.4.3. Above 100 kW

CHAPTER 7. GLOBAL HYBRID POWER SOLUTIONS MARKET, BY END USER

7.1. Market Snapshot

7.2. Global Hybrid Power Solutions Market by End User, Performance - Potential Analysis

7.3. Global Hybrid Power Solutions Market Estimates & Forecasts by End User 2020-2030 (USD Million)

7.4. Hybrid Power Solutions Market, Sub Segment Analysis

7.4.1. Residential

7.4.2. Commercial

7.4.3. Telecom

7.4.4. Others

CHAPTER 8. GLOBAL HYBRID POWER SOLUTIONS MARKET, REGIONAL ANALYSIS

8.1. Top Leading Countries

8.2. Top Emerging Countries

8.3. Hybrid Power Solutions Market, Regional Market Snapshot

8.4. North America Hybrid Power Solutions Market

8.4.1. U.S. Hybrid Power Solutions Market

8.4.1.1. System Type breakdown estimates & forecasts, 2020-2030

8.4.1.2. Power Rating breakdown estimates & forecasts, 2020-2030

8.4.1.3. End User breakdown estimates & forecasts, 2020-2030

8.4.2. Canada Hybrid Power Solutions Market

8.5. Europe Hybrid Power Solutions Market Snapshot

8.5.1. U.K. Hybrid Power Solutions Market

8.5.2. Germany Hybrid Power Solutions Market

8.5.3. France Hybrid Power Solutions Market

8.5.4. Spain Hybrid Power Solutions Market

- 8.5.5. Italy Hybrid Power Solutions Market
- 8.5.6. Rest of Europe Hybrid Power Solutions Market
- 8.6. Asia-Pacific Hybrid Power Solutions Market Snapshot
 - 8.6.1. China Hybrid Power Solutions Market
 - 8.6.2. India Hybrid Power Solutions Market
 - 8.6.3. Japan Hybrid Power Solutions Market
 - 8.6.4. Australia Hybrid Power Solutions Market
 - 8.6.5. South Korea Hybrid Power Solutions Market
 - 8.6.6. Rest of Asia Pacific Hybrid Power Solutions Market
- 8.7. Latin America Hybrid Power Solutions Market Snapshot
 - 8.7.1. Brazil Hybrid Power Solutions Market
 - 8.7.2. Mexico Hybrid Power Solutions Market
- 8.8. Middle East & Africa Hybrid Power Solutions Market
 - 8.8.1. Saudi Arabia Hybrid Power Solutions Market
 - 8.8.2. South Africa Hybrid Power Solutions Market
 - 8.8.3. Rest of Middle East & Africa Hybrid Power Solutions 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. MAN Energy Solutions 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. Guangzhou HY Energy Technology Limited Corp.
 - 9.3.3. Kestrel Renewable Energy
 - 9.3.4. KYOCERA Corporation
 - 9.3.5. Eaton Corporation
 - 9.3.6. Panasonic Corporation
 - 9.3.7. Schneider Electric
 - 9.3.8. Sharp Electronics
 - 9.3.9. Suzlon Group

9.3.10. Siemens Gamesa

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 Hybrid Power Solutions Market, report scope

TABLE 2. Global Hybrid Power Solutions Market estimates & forecasts by Region
2020-2030 (USD Million)

TABLE 3. Global Hybrid Power Solutions Market estimates & forecasts by System Type
2020-2030 (USD Million)

TABLE 4. Global Hybrid Power Solutions Market estimates & forecasts by Power Rating
2020-2030 (USD Million)

TABLE 5. Global Hybrid Power Solutions Market estimates & forecasts by End User
2020-2030 (USD Million)

TABLE 6. Global Hybrid Power Solutions Market by segment, estimates & forecasts,
2020-2030 (USD Million)

TABLE 7. Global Hybrid Power Solutions Market by region, estimates & forecasts,
2020-2030 (USD Million)

TABLE 8. Global Hybrid Power Solutions Market by segment, estimates & forecasts,
2020-2030 (USD Million)

TABLE 9. Global Hybrid Power Solutions Market by region, estimates & forecasts,
2020-2030 (USD Million)

TABLE 10. Global Hybrid Power Solutions Market by segment, estimates & forecasts,
2020-2030 (USD Million)

TABLE 11. Global Hybrid Power Solutions Market by region, estimates & forecasts,
2020-2030 (USD Million)

TABLE 12. Global Hybrid Power Solutions Market by segment, estimates & forecasts,
2020-2030 (USD Million)

TABLE 13. Global Hybrid Power Solutions Market by region, estimates & forecasts,
2020-2030 (USD Million)

TABLE 14. Global Hybrid Power Solutions Market by segment, estimates & forecasts,
2020-2030 (USD Million)

TABLE 15. Global Hybrid Power Solutions Market by region, estimates & forecasts,
2020-2030 (USD Million)

TABLE 16. U.S. Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD
Million)

TABLE 17. U.S. Hybrid Power Solutions Market estimates & forecasts by segment
2020-2030 (USD Million)

TABLE 18. U.S. Hybrid Power Solutions Market estimates & forecasts by segment
2020-2030 (USD Million)

TABLE 19. Canada Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 20. Canada Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 21. Canada Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 22. UK Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 23. UK Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 24. UK Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 25. Germany Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 26. Germany Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 27. Germany Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 28. France Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 29. France Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 30. France Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 31. Italy Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 32. Italy Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 33. Italy Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 34. Spain Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 35. Spain Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 36. Spain Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 37. RoE Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 38. RoE Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 39. RoE Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 40. China Hybrid Power Solutions Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 41. China Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 42. China Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 43. India Hybrid Power Solutions Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 44. India Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 45. India Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 46. Japan Hybrid Power Solutions Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 47. Japan Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 48. Japan Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 49. South Korea Hybrid Power Solutions Market estimates & forecasts,

2020-2030 (USD Million)

TABLE 50. South Korea Hybrid Power Solutions Market estimates & forecasts by

segment 2020-2030 (USD Million)

TABLE 51. South Korea Hybrid Power Solutions Market estimates & forecasts by

segment 2020-2030 (USD Million)

TABLE 52. Australia Hybrid Power Solutions Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 53. Australia Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 54. Australia Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 55. RoAPAC Hybrid Power Solutions Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 56. RoAPAC Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 57. RoAPAC Hybrid Power Solutions Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 58. Brazil Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 59. Brazil Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 60. Brazil Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 61. Mexico Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 62. Mexico Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 63. Mexico Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 64. RoLA Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 65. RoLA Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 66. RoLA Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 67. Saudi Arabia Hybrid Power Solutions Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 68. South Africa Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 69. RoMEA Hybrid Power Solutions Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 70. List of secondary sources, used in the study of global Hybrid Power Solutions Market

TABLE 71. List of primary sources, used in the study of global Hybrid Power Solutions Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

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

List Of Figures

LIST OF FIGURES

- FIG 1. Global Hybrid Power Solutions Market, research methodology
 - FIG 2. Global Hybrid Power Solutions Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Hybrid Power Solutions Market, key trends 2022
 - FIG 5. Global Hybrid Power Solutions Market, growth prospects 2023-2030
 - FIG 6. Global Hybrid Power Solutions Market, porters 5 force model
 - FIG 7. Global Hybrid Power Solutions Market, pest analysis
 - FIG 8. Global Hybrid Power Solutions Market, value chain analysis
 - FIG 9. Global Hybrid Power Solutions Market by segment, 2020 & 2030 (USD Million)
 - FIG 10. Global Hybrid Power Solutions Market by segment, 2020 & 2030 (USD Million)
 - FIG 11. Global Hybrid Power Solutions Market by segment, 2020 & 2030 (USD Million)
 - FIG 12. Global Hybrid Power Solutions Market by segment, 2020 & 2030 (USD Million)
 - FIG 13. Global Hybrid Power Solutions Market by segment, 2020 & 2030 (USD Million)
 - FIG 14. Global Hybrid Power Solutions Market, regional snapshot 2020 & 2030
 - FIG 15. North America Hybrid Power Solutions Market 2020 & 2030 (USD Million)
 - FIG 16. Europe Hybrid Power Solutions Market 2020 & 2030 (USD Million)
 - FIG 17. Asia pacific Hybrid Power Solutions Market 2020 & 2030 (USD Million)
 - FIG 18. Latin America Hybrid Power Solutions Market 2020 & 2030 (USD Million)
 - FIG 19. Middle East & Africa Hybrid Power Solutions Market 2020 & 2030 (USD Million)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Hybrid Power Solutions Market Size study & Forecast, by System Type (Solar-Diesel, Wind-Diesel, Solar-Wind-Diesel, Others), Power Rating (Up to 10 kW, 11 kW-100 kW, and Above 100 kW), End-User (Residential, Commercial, Telecom, Others) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GA7D8B287692EN.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/GA7D8B287692EN.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