

# Hybrid Power Solutions Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/H49A99F55528EN.html>

Date: November 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: H49A99F55528EN

## Abstracts

The global hybrid power solutions market size reached US\$ 980 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,580 Million by 2028, exhibiting a growth rate (CAGR) of 8.3% during 2022-2028.

Hybrid power solutions rely on loads, generators, converters, storage systems and renewable energy sources to generate power. These solutions are presently available in varying sizes, ranging from large island grids of many megawatts to individual household power supplies of around one kilowatt. As they minimize carbon footprint and reduce the overall cost of energy, hybrid power solutions find extensive application in utilities, municipalities, independent power producers (IPPs) and system operators worldwide.

The increasing consumption of electricity, in confluence with the escalating demand for clean energy sources on account of rising environmental concerns, represents one of the key factors bolstering the market growth. Moreover, the increasing adoption of hybrid power solutions can be attributed to the rising need for storing excess power during oversupply, supply shortages and sudden peaks in load demand. Furthermore, hybrid power solutions that deliver alternating current (AC) of fixed frequency are gaining traction for supplying electric power in remote locations. Apart from this, as these solutions offer increased reliability, enhanced flexibility and fuel efficiency, lower greenhouse gas (GHG) emissions and a wide range of operating modes, their application is expanding in various end use industries. Moreover, the leading market players are focusing on reducing the cost of battery energy storage systems (BESS) while improving hardware, energy density, safety and efficiency of hybrid power solutions. This, in turn, is anticipated to positively influencing the growth of the market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global hybrid power solutions market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on system type, power rating and end user.

Breakup by System Type:

- Solar-Diesel
- Wind-Diesel
- Solar-Wind-Diesel
- Others

Breakup by Power Rating:

- Up to 10 KW
- 11 KW-100 KW
- Above 100 KW

Breakup by End User:

- Residential
- Commercial
- Others

Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom
  - Italy
  - Spain
  - Russia
  - Others
- Latin America
  - Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AEG Power Solutions GmbH, Delta Electronics Inc., ENGIE EPS S.A., Huawei Technologies Co. Ltd., Pfisterer Holding Aktiengesellschaft, Siemens AG, Silver Power Systems Ltd., SMA Solar Technology AG, Vergnet SA and ZTE Corporation.

Key Questions Answered in This Report:

How has the global hybrid power solutions market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global hybrid power solutions market?

What are the key regional markets?

What is the breakup of the market based on the system type?

What is the breakup of the market based on the power rating?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global hybrid power solutions market and who are the key players?

What is the degree of competition in the industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL HYBRID POWER SOLUTIONS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY SYSTEM TYPE**

- 6.1 Solar-Diesel
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Wind-Diesel
  - 6.2.1 Market Trends

- 6.2.2 Market Forecast
- 6.3 Solar-Wind-Diesel
  - 6.3.1 Market Trends
  - 6.3.2 Market Forecast
- 6.4 Others
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast

## **7 MARKET BREAKUP BY POWER RATING**

- 7.1 Up to 10 KW
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 11 KW-100 KW
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Above 100 KW
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Residential
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Commercial
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Others
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada

- 9.1.2.1 Market Trends
- 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends
    - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends

- 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 AEG Power Solutions GmbH

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 Delta Electronics Inc.

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.2.3 Financials

14.3.3 ENGIE EPS S.A.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.3.3 Financials

14.3.4 Huawei Technologies Co. Ltd.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.4.3 SWOT Analysis

14.3.5 Pfisterer Holding Aktiengesellschaft

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.6 Siemens AG

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.6.3 Financials

14.3.6.4 SWOT Analysis

14.3.7 Silver Power Systems Ltd.

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.8 SMA Solar Technology AG



- 14.3.8.1 Company Overview
- 14.3.8.2 Product Portfolio
- 14.3.8.3 Financials
- 14.3.8.4 SWOT Analysis
- 14.3.9 Vergnet SA
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
- 14.3.10 ZTE Corporation
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials

## List Of Tables

### LIST OF TABLES

Table 1: Global: Hybrid Power Solutions Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Hybrid Power Solutions Market Forecast: Breakup by System Type (in Million US\$), 2023-2028

Table 3: Global: Hybrid Power Solutions Market Forecast: Breakup by Power Rating (in Million US\$), 2023-2028

Table 4: Global: Hybrid Power Solutions Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Hybrid Power Solutions Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Hybrid Power Solutions Market: Competitive Structure

Table 7: Global: Hybrid Power Solutions Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Hybrid Power Solutions Market: Major Drivers and Challenges

Figure 2: Global: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Hybrid Power Solutions Market: Breakup by System Type (in %), 2022

Figure 5: Global: Hybrid Power Solutions Market: Breakup by Power Rating (in %), 2022

Figure 6: Global: Hybrid Power Solutions Market: Breakup by End User (in %), 2022

Figure 7: Global: Hybrid Power Solutions Market: Breakup by Region (in %), 2022

Figure 8: Global: Hybrid Power Solutions (Solar-Diesel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Hybrid Power Solutions (Solar-Diesel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Hybrid Power Solutions (Wind-Diesel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Hybrid Power Solutions (Wind-Diesel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Hybrid Power Solutions (Solar-Wind-Diesel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Hybrid Power Solutions (Solar-Wind-Diesel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Hybrid Power Solutions (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Hybrid Power Solutions (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Hybrid Power Solutions (Up to 10 KW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Hybrid Power Solutions (Up to 10 KW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Hybrid Power Solutions (11 KW-100 KW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Hybrid Power Solutions (11 KW-100 KW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Hybrid Power Solutions (Above 100 KW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Hybrid Power Solutions (Above 100 KW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Hybrid Power Solutions (Residential) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Hybrid Power Solutions (Residential) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Hybrid Power Solutions (Commercial) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Hybrid Power Solutions (Commercial) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Hybrid Power Solutions (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Hybrid Power Solutions (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: North America: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: North America: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: United States: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: United States: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Canada: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Canada: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Asia-Pacific: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Asia-Pacific: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: China: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: China: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Japan: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Japan: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: India: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 &

2022

Figure 41: India: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: South Korea: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: South Korea: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Australia: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Australia: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Indonesia: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Indonesia: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Others: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Others: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Europe: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Europe: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Germany: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Germany: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: France: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: France: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: United Kingdom: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: United Kingdom: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Italy: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Italy: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Spain: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Spain: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Russia: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Russia: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Others: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Others: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Latin America: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Latin America: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Brazil: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Brazil: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Mexico: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Mexico: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Others: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Others: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Middle East and Africa: Hybrid Power Solutions Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Middle East and Africa: Hybrid Power Solutions Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Middle East and Africa: Hybrid Power Solutions Market: Breakup by Country (in %), 2022

Figure 77: Global: Hybrid Power Solutions Industry: SWOT Analysis

Figure 78: Global: Hybrid Power Solutions Industry: Value Chain Analysis

Figure 79: Global: Hybrid Power Solutions Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Hybrid Power Solutions Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/H49A99F55528EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/H49A99F55528EN.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

