

Global Home Solar Energy Storage Battery Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GCF0A689B44CEN.html>

Date: February 2026

Pages: 154

Price: US\$ 4,480.00 (Single User License)

ID: GCF0A689B44CEN

Abstracts

The global Home Solar Energy Storage Battery market size is expected to reach \$ 9965 million by 2032, rising at a market growth of 16.5% CAGR during the forecast period (2026-2032).

Home Solar Energy Storage Battery is a residential electrochemical storage product that stores electricity generated by rooftop photovoltaics and delivers it on demand to increase self-consumption, support peak management, and provide backup power. Its advantages include fast response, modular capacity expansion, and more controllable household energy economics when paired with tariff structures and load management, while safety and reliability underpin long-term value under intensifying competition. In 2025, production was approximately 15.91 million kWh and the average price was USD 208 per kWh. In 2025, the industry's capacity utilization rate was about 63% and the average gross margin was around 31%. Upstream, the core inputs are lithium-ion battery cells and photovoltaic modules, with representative suppliers such as CATL, BYD, EVE Energy, LONGi, JinkoSolar, Trina Solar, and First Solar providing standardized storage and generation components. The midstream segment focuses on residential system architecture, battery management and safety strategy, power conversion and electrical integration, thermal management, software control and monitoring, certification, and productization with quality management to deliver stable performance at scale and controllable lifecycle cost. Downstream sales are primarily executed through online and offline channels, where online distribution emphasizes standardized configurations, transparent pricing, and rapid fulfillment, while offline deployment relies on installers and integrators for site assessment, commissioning, and after-sales service; suppliers improve profitability by reducing installation friction, raising system uptime, and minimizing warranty-driven value leakage through scenario-based configuration and quality control.

The market outlook for Home Solar Energy Storage Battery is closely linked to the rising

penetration of residential photovoltaics and increasing attention to household energy autonomy and cost stability. In residential applications, storage systems are being adopted to raise self-consumption rates, mitigate electricity price volatility, and ensure backup power during grid interruptions. Current market conditions indicate growing product standardization and intensifying competition, which are placing pressure on hardware margins and accelerating the shift toward differentiated value in system reliability, safety design, and software-enabled energy management. Over the medium term, profitability will depend on reducing installation and service costs, improving system uptime, and aligning standardized configurations with typical household load profiles. Suppliers that can translate scale manufacturing and disciplined channel management into consistent user experience are better positioned to achieve sustainable returns as the residential storage market matures.

This report studies the global Home Solar Energy Storage Battery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Home Solar Energy Storage Battery and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Home Solar Energy Storage Battery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Home Solar Energy Storage Battery total production and demand, 2021-2032, (KWh)

Global Home Solar Energy Storage Battery total production value, 2021-2032, (USD Million)

Global Home Solar Energy Storage Battery production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (KWh), (based on production site)

Global Home Solar Energy Storage Battery consumption by region & country, CAGR, 2021-2032 & (KWh)

U.S. VS China: Home Solar Energy Storage Battery domestic production, consumption, key domestic manufacturers and share

Global Home Solar Energy Storage Battery production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (KWh)

Global Home Solar Energy Storage Battery production by Type, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

Global Home Solar Energy Storage Battery production by Application, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

This report profiles key players in the global Home Solar Energy Storage Battery market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Tesla, LG Energy Solution, sonnen, Huawei, BYD, Panasonic, SENEK, Enphase Energy, VARTA AG, E3/DC, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Home Solar Energy Storage Battery market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (KWh) and average price (US\$/KWh) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Home Solar Energy Storage Battery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Home Solar Energy Storage Battery Market, Segmentation by Type:

Below 10kWh

10-19kWh

20-29kWh

Others

Global Home Solar Energy Storage Battery Market, Segmentation by Coupling:

AC Coupled Solar Battery

DC Coupled Solar Battery

Global Home Solar Energy Storage Battery Market, Segmentation by Protection:

IP54

IP65

Others

Global Home Solar Energy Storage Battery Market, Segmentation by Application:

Online Sales

Offline Sales

Companies Profiled:

Tesla

LG Energy Solution

sonnen

Huawei

BYD

Panasonic

SENEC

Enphase Energy

VARTA AG

E3/DC

Sungrow

Pylontech

BMZ

Generac

SimpliPhi Power

Solax Power

Outback Power (ENERSYS)

Goodwe

Alpha ESS

Growatt New Energy

Key Questions Answered:

1. How big is the global Home Solar Energy Storage Battery market?
2. What is the demand of the global Home Solar Energy Storage Battery market?
3. What is the year over year growth of the global Home Solar Energy Storage Battery market?
4. What is the production and production value of the global Home Solar Energy Storage Battery market?
5. Who are the key producers in the global Home Solar Energy Storage Battery market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Home Solar Energy Storage Battery Introduction
- 1.2 World Home Solar Energy Storage Battery Supply & Forecast
 - 1.2.1 World Home Solar Energy Storage Battery Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Home Solar Energy Storage Battery Production (2021-2032)
 - 1.2.3 World Home Solar Energy Storage Battery Pricing Trends (2021-2032)
- 1.3 World Home Solar Energy Storage Battery Production by Region (Based on Production Site)
 - 1.3.1 World Home Solar Energy Storage Battery Production Value by Region (2021-2032)
 - 1.3.2 World Home Solar Energy Storage Battery Production by Region (2021-2032)
 - 1.3.3 World Home Solar Energy Storage Battery Average Price by Region (2021-2032)
 - 1.3.4 North America Home Solar Energy Storage Battery Production (2021-2032)
 - 1.3.5 Europe Home Solar Energy Storage Battery Production (2021-2032)
 - 1.3.6 China Home Solar Energy Storage Battery Production (2021-2032)
 - 1.3.7 Japan Home Solar Energy Storage Battery Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Home Solar Energy Storage Battery Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Home Solar Energy Storage Battery Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Home Solar Energy Storage Battery Demand (2021-2032)
- 2.2 World Home Solar Energy Storage Battery Consumption by Region
 - 2.2.1 World Home Solar Energy Storage Battery Consumption by Region (2021-2026)
 - 2.2.2 World Home Solar Energy Storage Battery Consumption Forecast by Region (2027-2032)
- 2.3 United States Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.4 China Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.5 Europe Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.6 Japan Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.7 South Korea Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.8 ASEAN Home Solar Energy Storage Battery Consumption (2021-2032)
- 2.9 India Home Solar Energy Storage Battery Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Home Solar Energy Storage Battery Production Value by Manufacturer (2021-2026)
- 3.2 World Home Solar Energy Storage Battery Production by Manufacturer (2021-2026)
- 3.3 World Home Solar Energy Storage Battery Average Price by Manufacturer (2021-2026)
- 3.4 Home Solar Energy Storage Battery Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Home Solar Energy Storage Battery Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Home Solar Energy Storage Battery in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Home Solar Energy Storage Battery in 2025
- 3.6 Home Solar Energy Storage Battery Market: Overall Company Footprint Analysis
 - 3.6.1 Home Solar Energy Storage Battery Market: Region Footprint
 - 3.6.2 Home Solar Energy Storage Battery Market: Company Product Type Footprint
 - 3.6.3 Home Solar Energy Storage Battery Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Home Solar Energy Storage Battery Production Value Comparison
 - 4.1.1 United States VS China: Home Solar Energy Storage Battery Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Home Solar Energy Storage Battery Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Home Solar Energy Storage Battery Production Comparison
 - 4.2.1 United States VS China: Home Solar Energy Storage Battery Production

Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Home Solar Energy Storage Battery Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Home Solar Energy Storage Battery Consumption Comparison

4.3.1 United States VS China: Home Solar Energy Storage Battery Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Home Solar Energy Storage Battery Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Home Solar Energy Storage Battery Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Home Solar Energy Storage Battery Production Value (2021-2026)

4.4.3 United States Based Manufacturers Home Solar Energy Storage Battery Production (2021-2026)

4.5 China Based Home Solar Energy Storage Battery Manufacturers and Market Share

4.5.1 China Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Home Solar Energy Storage Battery Production Value (2021-2026)

4.5.3 China Based Manufacturers Home Solar Energy Storage Battery Production (2021-2026)

4.6 Rest of World Based Home Solar Energy Storage Battery Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Home Solar Energy Storage Battery Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Home Solar Energy Storage Battery Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Home Solar Energy Storage Battery Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Below 10kWh

5.2.2 10-19kWh

5.2.3 20-29kWh

5.2.4 Others

5.3 Market Segment by Type

5.3.1 World Home Solar Energy Storage Battery Production by Type (2021-2032)

5.3.2 World Home Solar Energy Storage Battery Production Value by Type (2021-2032)

5.3.3 World Home Solar Energy Storage Battery Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY COUPLING

6.1 World Home Solar Energy Storage Battery Market Size Overview by Coupling: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Coupling

6.2.1 AC Coupled Solar Battery

6.2.2 DC Coupled Solar Battery

6.3 Market Segment by Coupling

6.3.1 World Home Solar Energy Storage Battery Production by Coupling (2021-2032)

6.3.2 World Home Solar Energy Storage Battery Production Value by Coupling (2021-2032)

6.3.3 World Home Solar Energy Storage Battery Average Price by Coupling (2021-2032)

7 MARKET ANALYSIS BY PROTECTION

7.1 World Home Solar Energy Storage Battery Market Size Overview by Protection: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Protection

7.2.1 IP54

7.2.2 IP65

7.2.3 Others

7.3 Market Segment by Protection

7.3.1 World Home Solar Energy Storage Battery Production by Protection (2021-2032)

7.3.2 World Home Solar Energy Storage Battery Production Value by Protection (2021-2032)

7.3.3 World Home Solar Energy Storage Battery Average Price by Protection (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Home Solar Energy Storage Battery Market Size Overview by Application:
2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Online Sales

8.2.2 Offline Sales

8.3 Market Segment by Application

8.3.1 World Home Solar Energy Storage Battery Production by Application
(2021-2032)

8.3.2 World Home Solar Energy Storage Battery Production Value by Application
(2021-2032)

8.3.3 World Home Solar Energy Storage Battery Average Price by Application
(2021-2032)

9 COMPANY PROFILES

9.1 Tesla

9.1.1 Tesla Details

9.1.2 Tesla Major Business

9.1.3 Tesla Home Solar Energy Storage Battery Product and Services

9.1.4 Tesla Home Solar Energy Storage Battery Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.1.5 Tesla Recent Developments/Updates

9.1.6 Tesla Competitive Strengths & Weaknesses

9.2 LG Energy Solution

9.2.1 LG Energy Solution Details

9.2.2 LG Energy Solution Major Business

9.2.3 LG Energy Solution Home Solar Energy Storage Battery Product and Services

9.2.4 LG Energy Solution Home Solar Energy Storage Battery Production, Price,
Value, Gross Margin and Market Share (2021-2026)

9.2.5 LG Energy Solution Recent Developments/Updates

9.2.6 LG Energy Solution Competitive Strengths & Weaknesses

9.3 sonnen

9.3.1 sonnen Details

9.3.2 sonnen Major Business

9.3.3 sonnen Home Solar Energy Storage Battery Product and Services

9.3.4 sonnen Home Solar Energy Storage Battery Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.3.5 sonnen Recent Developments/Updates

9.3.6 sonnen Competitive Strengths & Weaknesses

9.4 Huawei

9.4.1 Huawei Details

9.4.2 Huawei Major Business

9.4.3 Huawei Home Solar Energy Storage Battery Product and Services

9.4.4 Huawei Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Huawei Recent Developments/Updates

9.4.6 Huawei Competitive Strengths & Weaknesses

9.5 BYD

9.5.1 BYD Details

9.5.2 BYD Major Business

9.5.3 BYD Home Solar Energy Storage Battery Product and Services

9.5.4 BYD Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 BYD Recent Developments/Updates

9.5.6 BYD Competitive Strengths & Weaknesses

9.6 Panasonic

9.6.1 Panasonic Details

9.6.2 Panasonic Major Business

9.6.3 Panasonic Home Solar Energy Storage Battery Product and Services

9.6.4 Panasonic Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Panasonic Recent Developments/Updates

9.6.6 Panasonic Competitive Strengths & Weaknesses

9.7 SENEK

9.7.1 SENEK Details

9.7.2 SENEK Major Business

9.7.3 SENEK Home Solar Energy Storage Battery Product and Services

9.7.4 SENEK Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 SENEK Recent Developments/Updates

9.7.6 SENEK Competitive Strengths & Weaknesses

9.8 Enphase Energy

9.8.1 Enphase Energy Details

9.8.2 Enphase Energy Major Business

9.8.3 Enphase Energy Home Solar Energy Storage Battery Product and Services

9.8.4 Enphase Energy Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.8.5 Enphase Energy Recent Developments/Updates
- 9.8.6 Enphase Energy Competitive Strengths & Weaknesses
- 9.9 VARTA AG
 - 9.9.1 VARTA AG Details
 - 9.9.2 VARTA AG Major Business
 - 9.9.3 VARTA AG Home Solar Energy Storage Battery Product and Services
 - 9.9.4 VARTA AG Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 VARTA AG Recent Developments/Updates
 - 9.9.6 VARTA AG Competitive Strengths & Weaknesses
- 9.10 E3/DC
 - 9.10.1 E3/DC Details
 - 9.10.2 E3/DC Major Business
 - 9.10.3 E3/DC Home Solar Energy Storage Battery Product and Services
 - 9.10.4 E3/DC Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 E3/DC Recent Developments/Updates
 - 9.10.6 E3/DC Competitive Strengths & Weaknesses
- 9.11 Sungrow
 - 9.11.1 Sungrow Details
 - 9.11.2 Sungrow Major Business
 - 9.11.3 Sungrow Home Solar Energy Storage Battery Product and Services
 - 9.11.4 Sungrow Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Sungrow Recent Developments/Updates
 - 9.11.6 Sungrow Competitive Strengths & Weaknesses
- 9.12 Pylontech
 - 9.12.1 Pylontech Details
 - 9.12.2 Pylontech Major Business
 - 9.12.3 Pylontech Home Solar Energy Storage Battery Product and Services
 - 9.12.4 Pylontech Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Pylontech Recent Developments/Updates
 - 9.12.6 Pylontech Competitive Strengths & Weaknesses
- 9.13 BMZ
 - 9.13.1 BMZ Details
 - 9.13.2 BMZ Major Business
 - 9.13.3 BMZ Home Solar Energy Storage Battery Product and Services
 - 9.13.4 BMZ Home Solar Energy Storage Battery Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.13.5 BMZ Recent Developments/Updates

9.13.6 BMZ Competitive Strengths & Weaknesses

9.14 Generac

9.14.1 Generac Details

9.14.2 Generac Major Business

9.14.3 Generac Home Solar Energy Storage Battery Product and Services

9.14.4 Generac Home Solar Energy Storage Battery Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.14.5 Generac Recent Developments/Updates

9.14.6 Generac Competitive Strengths & Weaknesses

9.15 SimpliPhi Power

9.15.1 SimpliPhi Power Details

9.15.2 SimpliPhi Power Major Business

9.15.3 SimpliPhi Power Home Solar Energy Storage Battery Product and Services

9.15.4 SimpliPhi Power Home Solar Energy Storage Battery Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.15.5 SimpliPhi Power Recent Developments/Updates

9.15.6 SimpliPhi Power Competitive Strengths & Weaknesses

9.16 Solax Power

9.16.1 Solax Power Details

9.16.2 Solax Power Major Business

9.16.3 Solax Power Home Solar Energy Storage Battery Product and Services

9.16.4 Solax Power Home Solar Energy Storage Battery Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.16.5 Solax Power Recent Developments/Updates

9.16.6 Solax Power Competitive Strengths & Weaknesses

9.17 Outback Power (ENERSYS)

9.17.1 Outback Power (ENERSYS) Details

9.17.2 Outback Power (ENERSYS) Major Business

9.17.3 Outback Power (ENERSYS) Home Solar Energy Storage Battery Product and Services

9.17.4 Outback Power (ENERSYS) Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 Outback Power (ENERSYS) Recent Developments/Updates

9.17.6 Outback Power (ENERSYS) Competitive Strengths & Weaknesses

9.18 Goodwe

9.18.1 Goodwe Details

9.18.2 Goodwe Major Business

- 9.18.3 Goodwe Home Solar Energy Storage Battery Product and Services
- 9.18.4 Goodwe Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.18.5 Goodwe Recent Developments/Updates
- 9.18.6 Goodwe Competitive Strengths & Weaknesses
- 9.19 Alpha ESS
 - 9.19.1 Alpha ESS Details
 - 9.19.2 Alpha ESS Major Business
 - 9.19.3 Alpha ESS Home Solar Energy Storage Battery Product and Services
 - 9.19.4 Alpha ESS Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.19.5 Alpha ESS Recent Developments/Updates
 - 9.19.6 Alpha ESS Competitive Strengths & Weaknesses
- 9.20 Growatt New Energy
 - 9.20.1 Growatt New Energy Details
 - 9.20.2 Growatt New Energy Major Business
 - 9.20.3 Growatt New Energy Home Solar Energy Storage Battery Product and Services
 - 9.20.4 Growatt New Energy Home Solar Energy Storage Battery Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Growatt New Energy Recent Developments/Updates
 - 9.20.6 Growatt New Energy Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Home Solar Energy Storage Battery Industry Chain
- 10.2 Home Solar Energy Storage Battery Upstream Analysis
 - 10.2.1 Home Solar Energy Storage Battery Core Raw Materials
 - 10.2.2 Main Manufacturers of Home Solar Energy Storage Battery Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Home Solar Energy Storage Battery Production Mode
- 10.6 Home Solar Energy Storage Battery Procurement Model
- 10.7 Home Solar Energy Storage Battery Industry Sales Model and Sales Channels
 - 10.7.1 Home Solar Energy Storage Battery Sales Model
 - 10.7.2 Home Solar Energy Storage Battery Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Home Solar Energy Storage Battery Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Home Solar Energy Storage Battery Production Value by Region (2021-2026) & (USD Million)

Table 3. World Home Solar Energy Storage Battery Production Value by Region (2027-2032) & (USD Million)

Table 4. World Home Solar Energy Storage Battery Production Value Market Share by Region (2021-2026)

Table 5. World Home Solar Energy Storage Battery Production Value Market Share by Region (2027-2032)

Table 6. World Home Solar Energy Storage Battery Production by Region (2021-2026) & (KWh)

Table 7. World Home Solar Energy Storage Battery Production by Region (2027-2032) & (KWh)

Table 8. World Home Solar Energy Storage Battery Production Market Share by Region (2021-2026)

Table 9. World Home Solar Energy Storage Battery Production Market Share by Region (2027-2032)

Table 10. World Home Solar Energy Storage Battery Average Price by Region (2021-2026) & (US\$/KWh)

Table 11. World Home Solar Energy Storage Battery Average Price by Region (2027-2032) & (US\$/KWh)

Table 12. Home Solar Energy Storage Battery Major Market Trends

Table 13. World Home Solar Energy Storage Battery Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (KWh)

Table 14. World Home Solar Energy Storage Battery Consumption by Region (2021-2026) & (KWh)

Table 15. World Home Solar Energy Storage Battery Consumption Forecast by Region (2027-2032) & (KWh)

Table 16. World Home Solar Energy Storage Battery Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Home Solar Energy Storage Battery Producers in 2025

Table 18. World Home Solar Energy Storage Battery Production by Manufacturer (2021-2026) & (KWh)

Table 19. Production Market Share of Key Home Solar Energy Storage Battery Producers in 2025

Table 20. World Home Solar Energy Storage Battery Average Price by Manufacturer (2021-2026) & (US\$/KWh)

Table 21. Global Home Solar Energy Storage Battery Company Evaluation Quadrant

Table 22. World Home Solar Energy Storage Battery Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Home Solar Energy Storage Battery Production Site of Key Manufacturer

Table 24. Home Solar Energy Storage Battery Market: Company Product Type Footprint

Table 25. Home Solar Energy Storage Battery Market: Company Product Application Footprint

Table 26. Home Solar Energy Storage Battery Competitive Factors

Table 27. Home Solar Energy Storage Battery New Entrant and Capacity Expansion Plans

Table 28. Home Solar Energy Storage Battery Mergers & Acquisitions Activity

Table 29. United States VS China Home Solar Energy Storage Battery Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Home Solar Energy Storage Battery Production Comparison, (2021 & 2025 & 2032) & (KWh)

Table 31. United States VS China Home Solar Energy Storage Battery Consumption Comparison, (2021 & 2025 & 2032) & (KWh)

Table 32. United States Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Home Solar Energy Storage Battery Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Home Solar Energy Storage Battery Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Home Solar Energy Storage Battery Production (2021-2026) & (KWh)

Table 36. United States Based Manufacturers Home Solar Energy Storage Battery Production Market Share (2021-2026)

Table 37. China Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Home Solar Energy Storage Battery Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Home Solar Energy Storage Battery Production Value Market Share (2021-2026)

- Table 40. China Based Manufacturers Home Solar Energy Storage Battery Production, (2021-2026) & (KWh)
- Table 41. China Based Manufacturers Home Solar Energy Storage Battery Production Market Share (2021-2026)
- Table 42. Rest of World Based Home Solar Energy Storage Battery Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Home Solar Energy Storage Battery Production Value, (2021-2026) & (USD Million)
- Table 44. Rest of World Based Manufacturers Home Solar Energy Storage Battery Production Value Market Share (2021-2026)
- Table 45. Rest of World Based Manufacturers Home Solar Energy Storage Battery Production, (2021-2026) & (KWh)
- Table 46. Rest of World Based Manufacturers Home Solar Energy Storage Battery Production Market Share (2021-2026)
- Table 47. World Home Solar Energy Storage Battery Production Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 48. World Home Solar Energy Storage Battery Production by Type (2021-2026) & (KWh)
- Table 49. World Home Solar Energy Storage Battery Production by Type (2027-2032) & (KWh)
- Table 50. World Home Solar Energy Storage Battery Production Value by Type (2021-2026) & (USD Million)
- Table 51. World Home Solar Energy Storage Battery Production Value by Type (2027-2032) & (USD Million)
- Table 52. World Home Solar Energy Storage Battery Average Price by Type (2021-2026) & (US\$/KWh)
- Table 53. World Home Solar Energy Storage Battery Average Price by Type (2027-2032) & (US\$/KWh)
- Table 54. World Home Solar Energy Storage Battery Production Value by Coupling, (USD Million), 2021 & 2025 & 2032
- Table 55. World Home Solar Energy Storage Battery Production by Coupling (2021-2026) & (KWh)
- Table 56. World Home Solar Energy Storage Battery Production by Coupling (2027-2032) & (KWh)
- Table 57. World Home Solar Energy Storage Battery Production Value by Coupling (2021-2026) & (USD Million)
- Table 58. World Home Solar Energy Storage Battery Production Value by Coupling (2027-2032) & (USD Million)
- Table 59. World Home Solar Energy Storage Battery Average Price by Coupling

(2021-2026) & (US\$/KWh)

Table 60. World Home Solar Energy Storage Battery Average Price by Coupling

(2027-2032) & (US\$/KWh)

Table 61. World Home Solar Energy Storage Battery Production Value by Protection, (USD Million), 2021 & 2025 & 2032

Table 62. World Home Solar Energy Storage Battery Production by Protection (2021-2026) & (KWh)

Table 63. World Home Solar Energy Storage Battery Production by Protection (2027-2032) & (KWh)

Table 64. World Home Solar Energy Storage Battery Production Value by Protection (2021-2026) & (USD Million)

Table 65. World Home Solar Energy Storage Battery Production Value by Protection (2027-2032) & (USD Million)

Table 66. World Home Solar Energy Storage Battery Average Price by Protection (2021-2026) & (US\$/KWh)

Table 67. World Home Solar Energy Storage Battery Average Price by Protection (2027-2032) & (US\$/KWh)

Table 68. World Home Solar Energy Storage Battery Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Home Solar Energy Storage Battery Production by Application (2021-2026) & (KWh)

Table 70. World Home Solar Energy Storage Battery Production by Application (2027-2032) & (KWh)

Table 71. World Home Solar Energy Storage Battery Production Value by Application (2021-2026) & (USD Million)

Table 72. World Home Solar Energy Storage Battery Production Value by Application (2027-2032) & (USD Million)

Table 73. World Home Solar Energy Storage Battery Average Price by Application (2021-2026) & (US\$/KWh)

Table 74. World Home Solar Energy Storage Battery Average Price by Application (2027-2032) & (US\$/KWh)

Table 75. Tesla Basic Information, Manufacturing Base and Competitors

Table 76. Tesla Major Business

Table 77. Tesla Home Solar Energy Storage Battery Product and Services

Table 78. Tesla Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Tesla Recent Developments/Updates

Table 80. Tesla Competitive Strengths & Weaknesses

Table 81. LG Energy Solution Basic Information, Manufacturing Base and Competitors

Table 82. LG Energy Solution Major Business

Table 83. LG Energy Solution Home Solar Energy Storage Battery Product and Services

Table 84. LG Energy Solution Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. LG Energy Solution Recent Developments/Updates

Table 86. LG Energy Solution Competitive Strengths & Weaknesses

Table 87. sonnen Basic Information, Manufacturing Base and Competitors

Table 88. sonnen Major Business

Table 89. sonnen Home Solar Energy Storage Battery Product and Services

Table 90. sonnen Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. sonnen Recent Developments/Updates

Table 92. sonnen Competitive Strengths & Weaknesses

Table 93. Huawei Basic Information, Manufacturing Base and Competitors

Table 94. Huawei Major Business

Table 95. Huawei Home Solar Energy Storage Battery Product and Services

Table 96. Huawei Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Huawei Recent Developments/Updates

Table 98. Huawei Competitive Strengths & Weaknesses

Table 99. BYD Basic Information, Manufacturing Base and Competitors

Table 100. BYD Major Business

Table 101. BYD Home Solar Energy Storage Battery Product and Services

Table 102. BYD Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. BYD Recent Developments/Updates

Table 104. BYD Competitive Strengths & Weaknesses

Table 105. Panasonic Basic Information, Manufacturing Base and Competitors

Table 106. Panasonic Major Business

Table 107. Panasonic Home Solar Energy Storage Battery Product and Services

Table 108. Panasonic Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 109. Panasonic Recent Developments/Updates
- Table 110. Panasonic Competitive Strengths & Weaknesses
- Table 111. SENEK Basic Information, Manufacturing Base and Competitors
- Table 112. SENEK Major Business
- Table 113. SENEK Home Solar Energy Storage Battery Product and Services
- Table 114. SENEK Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. SENEK Recent Developments/Updates
- Table 116. SENEK Competitive Strengths & Weaknesses
- Table 117. Enphase Energy Basic Information, Manufacturing Base and Competitors
- Table 118. Enphase Energy Major Business
- Table 119. Enphase Energy Home Solar Energy Storage Battery Product and Services
- Table 120. Enphase Energy Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Enphase Energy Recent Developments/Updates
- Table 122. Enphase Energy Competitive Strengths & Weaknesses
- Table 123. VARTA AG Basic Information, Manufacturing Base and Competitors
- Table 124. VARTA AG Major Business
- Table 125. VARTA AG Home Solar Energy Storage Battery Product and Services
- Table 126. VARTA AG Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. VARTA AG Recent Developments/Updates
- Table 128. VARTA AG Competitive Strengths & Weaknesses
- Table 129. E3/DC Basic Information, Manufacturing Base and Competitors
- Table 130. E3/DC Major Business
- Table 131. E3/DC Home Solar Energy Storage Battery Product and Services
- Table 132. E3/DC Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. E3/DC Recent Developments/Updates
- Table 134. E3/DC Competitive Strengths & Weaknesses
- Table 135. Sungrow Basic Information, Manufacturing Base and Competitors
- Table 136. Sungrow Major Business
- Table 137. Sungrow Home Solar Energy Storage Battery Product and Services
- Table 138. Sungrow Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 139. Sungrow Recent Developments/Updates

Table 140. Sungrow Competitive Strengths & Weaknesses

Table 141. Pylontech Basic Information, Manufacturing Base and Competitors

Table 142. Pylontech Major Business

Table 143. Pylontech Home Solar Energy Storage Battery Product and Services

Table 144. Pylontech Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Pylontech Recent Developments/Updates

Table 146. Pylontech Competitive Strengths & Weaknesses

Table 147. BMZ Basic Information, Manufacturing Base and Competitors

Table 148. BMZ Major Business

Table 149. BMZ Home Solar Energy Storage Battery Product and Services

Table 150. BMZ Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. BMZ Recent Developments/Updates

Table 152. BMZ Competitive Strengths & Weaknesses

Table 153. Generac Basic Information, Manufacturing Base and Competitors

Table 154. Generac Major Business

Table 155. Generac Home Solar Energy Storage Battery Product and Services

Table 156. Generac Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Generac Recent Developments/Updates

Table 158. Generac Competitive Strengths & Weaknesses

Table 159. SimpliPhi Power Basic Information, Manufacturing Base and Competitors

Table 160. SimpliPhi Power Major Business

Table 161. SimpliPhi Power Home Solar Energy Storage Battery Product and Services

Table 162. SimpliPhi Power Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. SimpliPhi Power Recent Developments/Updates

Table 164. SimpliPhi Power Competitive Strengths & Weaknesses

Table 165. Solax Power Basic Information, Manufacturing Base and Competitors

Table 166. Solax Power Major Business

Table 167. Solax Power Home Solar Energy Storage Battery Product and Services

Table 168. Solax Power Home Solar Energy Storage Battery Production (KWh), Price

(US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Solax Power Recent Developments/Updates

Table 170. Solax Power Competitive Strengths & Weaknesses

Table 171. Outback Power (ENERSYS) Basic Information, Manufacturing Base and Competitors

Table 172. Outback Power (ENERSYS) Major Business

Table 173. Outback Power (ENERSYS) Home Solar Energy Storage Battery Product and Services

Table 174. Outback Power (ENERSYS) Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Outback Power (ENERSYS) Recent Developments/Updates

Table 176. Outback Power (ENERSYS) Competitive Strengths & Weaknesses

Table 177. Goodwe Basic Information, Manufacturing Base and Competitors

Table 178. Goodwe Major Business

Table 179. Goodwe Home Solar Energy Storage Battery Product and Services

Table 180. Goodwe Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Goodwe Recent Developments/Updates

Table 182. Goodwe Competitive Strengths & Weaknesses

Table 183. Alpha ESS Basic Information, Manufacturing Base and Competitors

Table 184. Alpha ESS Major Business

Table 185. Alpha ESS Home Solar Energy Storage Battery Product and Services

Table 186. Alpha ESS Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Alpha ESS Recent Developments/Updates

Table 188. Alpha ESS Competitive Strengths & Weaknesses

Table 189. Growatt New Energy Basic Information, Manufacturing Base and Competitors

Table 190. Growatt New Energy Major Business

Table 191. Growatt New Energy Home Solar Energy Storage Battery Product and Services

Table 192. Growatt New Energy Home Solar Energy Storage Battery Production (KWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Growatt New Energy Recent Developments/Updates

Table 194. Growatt New Energy Competitive Strengths & Weaknesses

Table 195. Global Key Players of Home Solar Energy Storage Battery Upstream (Raw Materials)

Table 196. Global Home Solar Energy Storage Battery Typical Customers

Table 197. Home Solar Energy Storage Battery Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Home Solar Energy Storage Battery Picture
- Figure 2. World Home Solar Energy Storage Battery Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Home Solar Energy Storage Battery Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Home Solar Energy Storage Battery Production (2021-2032) & (KWh)
- Figure 5. World Home Solar Energy Storage Battery Average Price (2021-2032) & (US\$/KWh)
- Figure 6. World Home Solar Energy Storage Battery Production Value Market Share by Region (2021-2032)
- Figure 7. World Home Solar Energy Storage Battery Production Market Share by Region (2021-2032)
- Figure 8. North America Home Solar Energy Storage Battery Production (2021-2032) & (KWh)
- Figure 9. Europe Home Solar Energy Storage Battery Production (2021-2032) & (KWh)
- Figure 10. China Home Solar Energy Storage Battery Production (2021-2032) & (KWh)
- Figure 11. Japan Home Solar Energy Storage Battery Production (2021-2032) & (KWh)
- Figure 12. Home Solar Energy Storage Battery Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 15. World Home Solar Energy Storage Battery Consumption Market Share by Region (2021-2032)
- Figure 16. United States Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 17. China Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 18. Europe Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 19. Japan Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 20. South Korea Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)
- Figure 21. ASEAN Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)

Figure 22. India Home Solar Energy Storage Battery Consumption (2021-2032) & (KWh)

Figure 23. Producer Shipments of Home Solar Energy Storage Battery by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Home Solar Energy Storage Battery Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Home Solar Energy Storage Battery Markets in 2025

Figure 26. United States VS China: Home Solar Energy Storage Battery Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Home Solar Energy Storage Battery Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Home Solar Energy Storage Battery Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Home Solar Energy Storage Battery Production Market Share 2025

Figure 30. China Based Manufacturers Home Solar Energy Storage Battery Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Home Solar Energy Storage Battery Production Market Share 2025

Figure 32. World Home Solar Energy Storage Battery Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Home Solar Energy Storage Battery Production Value Market Share by Type in 2025

Figure 34. Below 10kWh

Figure 35. 10-19kWh

Figure 36. 20-29kWh

Figure 37. Others

Figure 38. World Home Solar Energy Storage Battery Production Market Share by Type (2021-2032)

Figure 39. World Home Solar Energy Storage Battery Production Value Market Share by Type (2021-2032)

Figure 40. World Home Solar Energy Storage Battery Average Price by Type (2021-2032) & (US\$/KWh)

Figure 41. World Home Solar Energy Storage Battery Production Value by Coupling, (USD Million), 2021 & 2025 & 2032

Figure 42. World Home Solar Energy Storage Battery Production Value Market Share by Coupling in 2025

Figure 43. AC Coupled Solar Battery

Figure 44. DC Coupled Solar Battery

Figure 45. World Home Solar Energy Storage Battery Production Market Share by Coupling (2021-2032)

Figure 46. World Home Solar Energy Storage Battery Production Value Market Share by Coupling (2021-2032)

Figure 47. World Home Solar Energy Storage Battery Average Price by Coupling (2021-2032) & (US\$/KWh)

Figure 48. World Home Solar Energy Storage Battery Production Value by Protection, (USD Million), 2021 & 2025 & 2032

Figure 49. World Home Solar Energy Storage Battery Production Value Market Share by Protection in 2025

Figure 50. IP54

Figure 51. IP65

Figure 52. Others

Figure 53. World Home Solar Energy Storage Battery Production Market Share by Protection (2021-2032)

Figure 54. World Home Solar Energy Storage Battery Production Value Market Share by Protection (2021-2032)

Figure 55. World Home Solar Energy Storage Battery Average Price by Protection (2021-2032) & (US\$/KWh)

Figure 56. World Home Solar Energy Storage Battery Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Home Solar Energy Storage Battery Production Value Market Share by Application in 2025

Figure 58. Online Sales

Figure 59. Offline Sales

Figure 60. World Home Solar Energy Storage Battery Production Market Share by Application (2021-2032)

Figure 61. World Home Solar Energy Storage Battery Production Value Market Share by Application (2021-2032)

Figure 62. World Home Solar Energy Storage Battery Average Price by Application (2021-2032) & (US\$/KWh)

Figure 63. Home Solar Energy Storage Battery Industry Chain

Figure 64. Home Solar Energy Storage Battery Procurement Model

Figure 65. Home Solar Energy Storage Battery Sales Model

Figure 66. Home Solar Energy Storage Battery Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

I would like to order

Product name: Global Home Solar Energy Storage Battery Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GCF0A689B44CEN.html>

Price: US\$ 4,480.00 (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/GCF0A689B44CEN.html>