

Global Residential PV System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Residential PV System market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

It is expected that global demand for photovoltaic products will remain high in the next few years. According to our PV & Solar Research Center, by the end of 2022, the global cumulative installed photovoltaic power generation capacity is about 1180 GW. According to the data of China Photovoltaic Industry Association, the global newly installed photovoltaic capacity in 2022 is about 230 GW, and this number in 2023 is predicted to be 280-330 GW. According to the data of the Ministry of Industry and Information Technology, the total output value of China's photovoltaic industry exceeded 1.4 trillion yuan in 2022. From the perspective of production value, mainland China is still the global center of the PV industry. According to the International Energy Agency, China market share in all key products of the supply chain have exceeded 80%. Among them, the production capacity of silicon wafers, solar cells, and components accounts for as high as 98%, 85% and 77%, respectively. According to the data released by the European Photovoltaic Association, 27 EU countries gained a new PV installed capacity of 41.4 GW in 2022. According to the report of the US Solar Energy Industries Association (SEIA), the US held a new PV installed capacity of less than 19 GW in 2022. But it is estimated that from 2023, the average annual growth rate of new photovoltaic installed capacity will exceed 21%. In terms of Japan, based on data from Fitch and the US Energy Information Administration (EIA), in 2022, Japan's newly installed photovoltaic capacity was 3.170 GW.

This report is a detailed and comprehensive analysis for global Residential PV System

market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Residential PV System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Residential PV System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Residential PV System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Residential PV System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Residential PV System
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Residential PV System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SMA Solar Technology, TMEIC, Siemens, Schneider Electric, Emerson Electric Company, ABB, CSI Solar, HUAWEI, Hoymiles Power Electronics, Yuneng Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Residential PV System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Photovoltaic Modules

Inverters

Others

Market segment by Application

Community

Apartment

Others

Major players covered

SMA Solar Technology

TMEIC

Siemens

Schneider Electric

Emerson Electric Company

ABB

CSI Solar

HUAWEI

Hoymiles Power Electronics

Yuneng Technology

SUNGROW

Tebian Electric Apparatus Stock

GOODWE

Ginlong Technologies

KSTAR

ChintPower

SINENG ELECTRIC

KELONG

INVT

Ningbo Deye Technology

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East
& Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Residential PV System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Residential PV System, with price, sales quantity, revenue, and global market share of Residential PV System from 2021 to 2026.

Chapter 3, the Residential PV System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Residential PV System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Residential PV System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Residential PV System.

Chapter 14 and 15, to describe Residential PV System sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Residential PV System Consumption Value by Type: 2021 Versus 2025 Versus 2032
 - 1.3.2 Photovoltaic Modules
 - 1.3.3 Inverters
 - 1.3.4 Others
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Residential PV System Consumption Value by Application: 2021 Versus 2025 Versus 2032
 - 1.4.2 Community
 - 1.4.3 Apartment
 - 1.4.4 Others
- 1.5 Global Residential PV System Market Size & Forecast
 - 1.5.1 Global Residential PV System Consumption Value (2021 & 2025 & 2032)
 - 1.5.2 Global Residential PV System Sales Quantity (2021-2032)
 - 1.5.3 Global Residential PV System Average Price (2021-2032)

2 MANUFACTURERS PROFILES

- 2.1 SMA Solar Technology
 - 2.1.1 SMA Solar Technology Details
 - 2.1.2 SMA Solar Technology Major Business
 - 2.1.3 SMA Solar Technology Residential PV System Product and Services
 - 2.1.4 SMA Solar Technology Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.1.5 SMA Solar Technology Recent Developments/Updates
- 2.2 TMEIC
 - 2.2.1 TMEIC Details
 - 2.2.2 TMEIC Major Business
 - 2.2.3 TMEIC Residential PV System Product and Services
 - 2.2.4 TMEIC Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 TMEIC Recent Developments/Updates

2.3 Siemens

2.3.1 Siemens Details

2.3.2 Siemens Major Business

2.3.3 Siemens Residential PV System Product and Services

2.3.4 Siemens Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Siemens Recent Developments/Updates

2.4 Schneider Electric

2.4.1 Schneider Electric Details

2.4.2 Schneider Electric Major Business

2.4.3 Schneider Electric Residential PV System Product and Services

2.4.4 Schneider Electric Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Schneider Electric Recent Developments/Updates

2.5 Emerson Electric Company

2.5.1 Emerson Electric Company Details

2.5.2 Emerson Electric Company Major Business

2.5.3 Emerson Electric Company Residential PV System Product and Services

2.5.4 Emerson Electric Company Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Emerson Electric Company Recent Developments/Updates

2.6 ABB

2.6.1 ABB Details

2.6.2 ABB Major Business

2.6.3 ABB Residential PV System Product and Services

2.6.4 ABB Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 ABB Recent Developments/Updates

2.7 CSI Solar

2.7.1 CSI Solar Details

2.7.2 CSI Solar Major Business

2.7.3 CSI Solar Residential PV System Product and Services

2.7.4 CSI Solar Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 CSI Solar Recent Developments/Updates

2.8 HUAWEI

2.8.1 HUAWEI Details

2.8.2 HUAWEI Major Business

2.8.3 HUAWEI Residential PV System Product and Services

2.8.4 HUAWEI Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 HUAWEI Recent Developments/Updates

2.9 Hoymiles Power Electronics

2.9.1 Hoymiles Power Electronics Details

2.9.2 Hoymiles Power Electronics Major Business

2.9.3 Hoymiles Power Electronics Residential PV System Product and Services

2.9.4 Hoymiles Power Electronics Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Hoymiles Power Electronics Recent Developments/Updates

2.10 Yuneng Technology

2.10.1 Yuneng Technology Details

2.10.2 Yuneng Technology Major Business

2.10.3 Yuneng Technology Residential PV System Product and Services

2.10.4 Yuneng Technology Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Yuneng Technology Recent Developments/Updates

2.11 SUNGROW

2.11.1 SUNGROW Details

2.11.2 SUNGROW Major Business

2.11.3 SUNGROW Residential PV System Product and Services

2.11.4 SUNGROW Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 SUNGROW Recent Developments/Updates

2.12 Tebian Electric Apparatus Stock

2.12.1 Tebian Electric Apparatus Stock Details

2.12.2 Tebian Electric Apparatus Stock Major Business

2.12.3 Tebian Electric Apparatus Stock Residential PV System Product and Services

2.12.4 Tebian Electric Apparatus Stock Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Tebian Electric Apparatus Stock Recent Developments/Updates

2.13 GOODWE

2.13.1 GOODWE Details

2.13.2 GOODWE Major Business

2.13.3 GOODWE Residential PV System Product and Services

2.13.4 GOODWE Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 GOODWE Recent Developments/Updates

2.14 Ginlong Technologies

- 2.14.1 Ginlong Technologies Details
- 2.14.2 Ginlong Technologies Major Business
- 2.14.3 Ginlong Technologies Residential PV System Product and Services
- 2.14.4 Ginlong Technologies Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.14.5 Ginlong Technologies Recent Developments/Updates
- 2.15 KSTAR
 - 2.15.1 KSTAR Details
 - 2.15.2 KSTAR Major Business
 - 2.15.3 KSTAR Residential PV System Product and Services
 - 2.15.4 KSTAR Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 KSTAR Recent Developments/Updates
- 2.16 ChintPower
 - 2.16.1 ChintPower Details
 - 2.16.2 ChintPower Major Business
 - 2.16.3 ChintPower Residential PV System Product and Services
 - 2.16.4 ChintPower Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.16.5 ChintPower Recent Developments/Updates
- 2.17 SINENG ELECTRIC
 - 2.17.1 SINENG ELECTRIC Details
 - 2.17.2 SINENG ELECTRIC Major Business
 - 2.17.3 SINENG ELECTRIC Residential PV System Product and Services
 - 2.17.4 SINENG ELECTRIC Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.17.5 SINENG ELECTRIC Recent Developments/Updates
- 2.18 KELONG
 - 2.18.1 KELONG Details
 - 2.18.2 KELONG Major Business
 - 2.18.3 KELONG Residential PV System Product and Services
 - 2.18.4 KELONG Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.18.5 KELONG Recent Developments/Updates
- 2.19 INVT
 - 2.19.1 INVT Details
 - 2.19.2 INVT Major Business
 - 2.19.3 INVT Residential PV System Product and Services
 - 2.19.4 INVT Residential PV System Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2021-2026)

2.19.5 INVT Recent Developments/Updates

2.20 Ningbo Deye Technology

2.20.1 Ningbo Deye Technology Details

2.20.2 Ningbo Deye Technology Major Business

2.20.3 Ningbo Deye Technology Residential PV System Product and Services

2.20.4 Ningbo Deye Technology Residential PV System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.20.5 Ningbo Deye Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: RESIDENTIAL PV SYSTEM BY MANUFACTURER

3.1 Global Residential PV System Sales Quantity by Manufacturer (2021-2026)

3.2 Global Residential PV System Revenue by Manufacturer (2021-2026)

3.3 Global Residential PV System Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Residential PV System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Residential PV System Manufacturer Market Share in 2025

3.4.3 Top 6 Residential PV System Manufacturer Market Share in 2025

3.5 Residential PV System Market: Overall Company Footprint Analysis

3.5.1 Residential PV System Market: Region Footprint

3.5.2 Residential PV System Market: Company Product Type Footprint

3.5.3 Residential PV System Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Residential PV System Market Size by Region

4.1.1 Global Residential PV System Sales Quantity by Region (2021-2032)

4.1.2 Global Residential PV System Consumption Value by Region (2021-2032)

4.1.3 Global Residential PV System Average Price by Region (2021-2032)

4.2 North America Residential PV System Consumption Value (2021-2032)

4.3 Europe Residential PV System Consumption Value (2021-2032)

4.4 Asia-Pacific Residential PV System Consumption Value (2021-2032)

4.5 South America Residential PV System Consumption Value (2021-2032)

4.6 Middle East & Africa Residential PV System Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Residential PV System Sales Quantity by Type (2021-2032)
- 5.2 Global Residential PV System Consumption Value by Type (2021-2032)
- 5.3 Global Residential PV System Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Residential PV System Sales Quantity by Application (2021-2032)
- 6.2 Global Residential PV System Consumption Value by Application (2021-2032)
- 6.3 Global Residential PV System Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Residential PV System Sales Quantity by Type (2021-2032)
- 7.2 North America Residential PV System Sales Quantity by Application (2021-2032)
- 7.3 North America Residential PV System Market Size by Country
 - 7.3.1 North America Residential PV System Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Residential PV System Consumption Value by Country (2021-2032)
 - 7.3.3 United States Market Size and Forecast (2021-2032)
 - 7.3.4 Canada Market Size and Forecast (2021-2032)
 - 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe Residential PV System Sales Quantity by Type (2021-2032)
- 8.2 Europe Residential PV System Sales Quantity by Application (2021-2032)
- 8.3 Europe Residential PV System Market Size by Country
 - 8.3.1 Europe Residential PV System Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe Residential PV System Consumption Value by Country (2021-2032)
 - 8.3.3 Germany Market Size and Forecast (2021-2032)
 - 8.3.4 France Market Size and Forecast (2021-2032)
 - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
 - 8.3.6 Russia Market Size and Forecast (2021-2032)
 - 8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Residential PV System Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Residential PV System Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Residential PV System Market Size by Region
 - 9.3.1 Asia-Pacific Residential PV System Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific Residential PV System Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
 - 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America Residential PV System Sales Quantity by Type (2021-2032)
- 10.2 South America Residential PV System Sales Quantity by Application (2021-2032)
- 10.3 South America Residential PV System Market Size by Country
 - 10.3.1 South America Residential PV System Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Residential PV System Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Residential PV System Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Residential PV System Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Residential PV System Market Size by Country
 - 11.3.1 Middle East & Africa Residential PV System Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa Residential PV System Consumption Value by Country (2021-2032)
 - 11.3.3 Turkey Market Size and Forecast (2021-2032)
 - 11.3.4 Egypt Market Size and Forecast (2021-2032)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
 - 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 Residential PV System Market Drivers
- 12.2 Residential PV System Market Restraints
- 12.3 Residential PV System Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Residential PV System and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Residential PV System
- 13.3 Residential PV System Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Residential PV System Typical Distributors
- 14.3 Residential PV System Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Residential PV System Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Residential PV System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 3. SMA Solar Technology Basic Information, Manufacturing Base and Competitors

Table 4. SMA Solar Technology Major Business

Table 5. SMA Solar Technology Residential PV System Product and Services

Table 6. SMA Solar Technology Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. SMA Solar Technology Recent Developments/Updates

Table 8. TMEIC Basic Information, Manufacturing Base and Competitors

Table 9. TMEIC Major Business

Table 10. TMEIC Residential PV System Product and Services

Table 11. TMEIC Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. TMEIC Recent Developments/Updates

Table 13. Siemens Basic Information, Manufacturing Base and Competitors

Table 14. Siemens Major Business

Table 15. Siemens Residential PV System Product and Services

Table 16. Siemens Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. Siemens Recent Developments/Updates

Table 18. Schneider Electric Basic Information, Manufacturing Base and Competitors

Table 19. Schneider Electric Major Business

Table 20. Schneider Electric Residential PV System Product and Services

Table 21. Schneider Electric Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. Schneider Electric Recent Developments/Updates

Table 23. Emerson Electric Company Basic Information, Manufacturing Base and Competitors

Table 24. Emerson Electric Company Major Business

Table 25. Emerson Electric Company Residential PV System Product and Services

Table 26. Emerson Electric Company Residential PV System Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. Emerson Electric Company Recent Developments/Updates

Table 28. ABB Basic Information, Manufacturing Base and Competitors

Table 29. ABB Major Business

Table 30. ABB Residential PV System Product and Services

Table 31. ABB Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. ABB Recent Developments/Updates

Table 33. CSI Solar Basic Information, Manufacturing Base and Competitors

Table 34. CSI Solar Major Business

Table 35. CSI Solar Residential PV System Product and Services

Table 36. CSI Solar Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. CSI Solar Recent Developments/Updates

Table 38. HUAWEI Basic Information, Manufacturing Base and Competitors

Table 39. HUAWEI Major Business

Table 40. HUAWEI Residential PV System Product and Services

Table 41. HUAWEI Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. HUAWEI Recent Developments/Updates

Table 43. Hoymiles Power Electronics Basic Information, Manufacturing Base and Competitors

Table 44. Hoymiles Power Electronics Major Business

Table 45. Hoymiles Power Electronics Residential PV System Product and Services

Table 46. Hoymiles Power Electronics Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 47. Hoymiles Power Electronics Recent Developments/Updates

Table 48. Yuneng Technology Basic Information, Manufacturing Base and Competitors

Table 49. Yuneng Technology Major Business

Table 50. Yuneng Technology Residential PV System Product and Services

Table 51. Yuneng Technology Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 52. Yuneng Technology Recent Developments/Updates

Table 53. SUNGROW Basic Information, Manufacturing Base and Competitors

Table 54. SUNGROW Major Business

Table 55. SUNGROW Residential PV System Product and Services

Table 56. SUNGROW Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 57. SUNGROW Recent Developments/Updates

Table 58. Tebian Electric Apparatus Stock Basic Information, Manufacturing Base and Competitors

Table 59. Tebian Electric Apparatus Stock Major Business

Table 60. Tebian Electric Apparatus Stock Residential PV System Product and Services

Table 61. Tebian Electric Apparatus Stock Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 62. Tebian Electric Apparatus Stock Recent Developments/Updates

Table 63. GOODWE Basic Information, Manufacturing Base and Competitors

Table 64. GOODWE Major Business

Table 65. GOODWE Residential PV System Product and Services

Table 66. GOODWE Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 67. GOODWE Recent Developments/Updates

Table 68. Ginlong Technologies Basic Information, Manufacturing Base and Competitors

Table 69. Ginlong Technologies Major Business

Table 70. Ginlong Technologies Residential PV System Product and Services

Table 71. Ginlong Technologies Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Ginlong Technologies Recent Developments/Updates

Table 73. KSTAR Basic Information, Manufacturing Base and Competitors

Table 74. KSTAR Major Business

Table 75. KSTAR Residential PV System Product and Services

Table 76. KSTAR Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. KSTAR Recent Developments/Updates

Table 78. ChintPower Basic Information, Manufacturing Base and Competitors

Table 79. ChintPower Major Business

Table 80. ChintPower Residential PV System Product and Services

Table 81. ChintPower Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 82. ChintPower Recent Developments/Updates

Table 83. SINENG ELECTRIC Basic Information, Manufacturing Base and Competitors

Table 84. SINENG ELECTRIC Major Business

Table 85. SINENG ELECTRIC Residential PV System Product and Services

Table 86. SINENG ELECTRIC Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 87. SINENG ELECTRIC Recent Developments/Updates

Table 88. KELONG Basic Information, Manufacturing Base and Competitors

Table 89. KELONG Major Business

Table 90. KELONG Residential PV System Product and Services

Table 91. KELONG Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. KELONG Recent Developments/Updates

Table 93. INVT Basic Information, Manufacturing Base and Competitors

Table 94. INVT Major Business

Table 95. INVT Residential PV System Product and Services

Table 96. INVT Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. INVT Recent Developments/Updates

Table 98. Ningbo Deye Technology Basic Information, Manufacturing Base and Competitors

Table 99. Ningbo Deye Technology Major Business

Table 100. Ningbo Deye Technology Residential PV System Product and Services

Table 101. Ningbo Deye Technology Residential PV System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Ningbo Deye Technology Recent Developments/Updates

Table 103. Global Residential PV System Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 104. Global Residential PV System Revenue by Manufacturer (2021-2026) & (USD Million)

Table 105. Global Residential PV System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 106. Market Position of Manufacturers in Residential PV System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 107. Head Office and Residential PV System Production Site of Key Manufacturer

Table 108. Residential PV System Market: Company Product Type Footprint

Table 109. Residential PV System Market: Company Product Application Footprint

Table 110. Residential PV System New Market Entrants and Barriers to Market Entry

Table 111. Residential PV System Mergers, Acquisition, Agreements, and

Collaborations

Table 112. Global Residential PV System Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 113. Global Residential PV System Sales Quantity by Region (2021-2026) & (K Units)

Table 114. Global Residential PV System Sales Quantity by Region (2027-2032) & (K Units)

Table 115. Global Residential PV System Consumption Value by Region (2021-2026) & (USD Million)

Table 116. Global Residential PV System Consumption Value by Region (2027-2032) & (USD Million)

Table 117. Global Residential PV System Average Price by Region (2021-2026) & (US\$/Unit)

Table 118. Global Residential PV System Average Price by Region (2027-2032) & (US\$/Unit)

Table 119. Global Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 120. Global Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 121. Global Residential PV System Consumption Value by Type (2021-2026) & (USD Million)

Table 122. Global Residential PV System Consumption Value by Type (2027-2032) & (USD Million)

Table 123. Global Residential PV System Average Price by Type (2021-2026) & (US\$/Unit)

Table 124. Global Residential PV System Average Price by Type (2027-2032) & (US\$/Unit)

Table 125. Global Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 126. Global Residential PV System Sales Quantity by Application (2027-2032) & (K Units)

Table 127. Global Residential PV System Consumption Value by Application (2021-2026) & (USD Million)

Table 128. Global Residential PV System Consumption Value by Application (2027-2032) & (USD Million)

Table 129. Global Residential PV System Average Price by Application (2021-2026) & (US\$/Unit)

Table 130. Global Residential PV System Average Price by Application (2027-2032) & (US\$/Unit)

Table 131. North America Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 132. North America Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 133. North America Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 134. North America Residential PV System Sales Quantity by Application (2027-2032) & (K Units)

Table 135. North America Residential PV System Sales Quantity by Country (2021-2026) & (K Units)

Table 136. North America Residential PV System Sales Quantity by Country (2027-2032) & (K Units)

Table 137. North America Residential PV System Consumption Value by Country (2021-2026) & (USD Million)

Table 138. North America Residential PV System Consumption Value by Country (2027-2032) & (USD Million)

Table 139. Europe Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 140. Europe Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 141. Europe Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 142. Europe Residential PV System Sales Quantity by Application (2027-2032) & (K Units)

Table 143. Europe Residential PV System Sales Quantity by Country (2021-2026) & (K Units)

Table 144. Europe Residential PV System Sales Quantity by Country (2027-2032) & (K Units)

Table 145. Europe Residential PV System Consumption Value by Country (2021-2026) & (USD Million)

Table 146. Europe Residential PV System Consumption Value by Country (2027-2032) & (USD Million)

Table 147. Asia-Pacific Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 148. Asia-Pacific Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 149. Asia-Pacific Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 150. Asia-Pacific Residential PV System Sales Quantity by Application

(2027-2032) & (K Units)

Table 151. Asia-Pacific Residential PV System Sales Quantity by Region (2021-2026) & (K Units)

Table 152. Asia-Pacific Residential PV System Sales Quantity by Region (2027-2032) & (K Units)

Table 153. Asia-Pacific Residential PV System Consumption Value by Region (2021-2026) & (USD Million)

Table 154. Asia-Pacific Residential PV System Consumption Value by Region (2027-2032) & (USD Million)

Table 155. South America Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 156. South America Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 157. South America Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 158. South America Residential PV System Sales Quantity by Application (2027-2032) & (K Units)

Table 159. South America Residential PV System Sales Quantity by Country (2021-2026) & (K Units)

Table 160. South America Residential PV System Sales Quantity by Country (2027-2032) & (K Units)

Table 161. South America Residential PV System Consumption Value by Country (2021-2026) & (USD Million)

Table 162. South America Residential PV System Consumption Value by Country (2027-2032) & (USD Million)

Table 163. Middle East & Africa Residential PV System Sales Quantity by Type (2021-2026) & (K Units)

Table 164. Middle East & Africa Residential PV System Sales Quantity by Type (2027-2032) & (K Units)

Table 165. Middle East & Africa Residential PV System Sales Quantity by Application (2021-2026) & (K Units)

Table 166. Middle East & Africa Residential PV System Sales Quantity by Application (2027-2032) & (K Units)

Table 167. Middle East & Africa Residential PV System Sales Quantity by Country (2021-2026) & (K Units)

Table 168. Middle East & Africa Residential PV System Sales Quantity by Country (2027-2032) & (K Units)

Table 169. Middle East & Africa Residential PV System Consumption Value by Country (2021-2026) & (USD Million)

Table 170. Middle East & Africa Residential PV System Consumption Value by Country (2027-2032) & (USD Million)

Table 171. Residential PV System Raw Material

Table 172. Key Manufacturers of Residential PV System Raw Materials

Table 173. Residential PV System Typical Distributors

Table 174. Residential PV System Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Residential PV System Picture
- Figure 2. Global Residential PV System Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Residential PV System Revenue Market Share by Type in 2025
- Figure 4. Photovoltaic Modules Examples
- Figure 5. Inverters Examples
- Figure 6. Others Examples
- Figure 7. Global Residential PV System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Residential PV System Revenue Market Share by Application in 2025
- Figure 9. Community Examples
- Figure 10. Apartment Examples
- Figure 11. Others Examples
- Figure 12. Global Residential PV System Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 13. Global Residential PV System Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 14. Global Residential PV System Sales Quantity (2021-2032) & (K Units)
- Figure 15. Global Residential PV System Price (2021-2032) & (US\$/Unit)
- Figure 16. Global Residential PV System Sales Quantity Market Share by Manufacturer in 2025
- Figure 17. Global Residential PV System Revenue Market Share by Manufacturer in 2025
- Figure 18. Producer Shipments of Residential PV System by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 19. Top 3 Residential PV System Manufacturer (Revenue) Market Share in 2025
- Figure 20. Top 6 Residential PV System Manufacturer (Revenue) Market Share in 2025
- Figure 21. Global Residential PV System Sales Quantity Market Share by Region (2021-2032)
- Figure 22. Global Residential PV System Consumption Value Market Share by Region (2021-2032)
- Figure 23. North America Residential PV System Consumption Value (2021-2032) & (USD Million)
- Figure 24. Europe Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 25. Asia-Pacific Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 26. South America Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 27. Middle East & Africa Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 28. Global Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 29. Global Residential PV System Consumption Value Market Share by Type (2021-2032)

Figure 30. Global Residential PV System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 31. Global Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 32. Global Residential PV System Revenue Market Share by Application (2021-2032)

Figure 33. Global Residential PV System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 34. North America Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 35. North America Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 36. North America Residential PV System Sales Quantity Market Share by Country (2021-2032)

Figure 37. North America Residential PV System Consumption Value Market Share by Country (2021-2032)

Figure 38. United States Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 39. Canada Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 40. Mexico Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 41. Europe Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 42. Europe Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 43. Europe Residential PV System Sales Quantity Market Share by Country (2021-2032)

Figure 44. Europe Residential PV System Consumption Value Market Share by Country

(2021-2032)

Figure 45. Germany Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 46. France Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 47. United Kingdom Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 48. Russia Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 49. Italy Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 50. Asia-Pacific Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 51. Asia-Pacific Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 52. Asia-Pacific Residential PV System Sales Quantity Market Share by Region (2021-2032)

Figure 53. Asia-Pacific Residential PV System Consumption Value Market Share by Region (2021-2032)

Figure 54. China Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 55. Japan Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 56. South Korea Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 57. India Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 58. Southeast Asia Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 59. Australia Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 60. South America Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 61. South America Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 62. South America Residential PV System Sales Quantity Market Share by Country (2021-2032)

Figure 63. South America Residential PV System Consumption Value Market Share by Country (2021-2032)

Figure 64. Brazil Residential PV System Consumption Value (2021-2032) & (USD

Million)

Figure 65. Argentina Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 66. Middle East & Africa Residential PV System Sales Quantity Market Share by Type (2021-2032)

Figure 67. Middle East & Africa Residential PV System Sales Quantity Market Share by Application (2021-2032)

Figure 68. Middle East & Africa Residential PV System Sales Quantity Market Share by Country (2021-2032)

Figure 69. Middle East & Africa Residential PV System Consumption Value Market Share by Country (2021-2032)

Figure 70. Turkey Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 71. Egypt Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 72. Saudi Arabia Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 73. South Africa Residential PV System Consumption Value (2021-2032) & (USD Million)

Figure 74. Residential PV System Market Drivers

Figure 75. Residential PV System Market Restraints

Figure 76. Residential PV System Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Residential PV System in 2025

Figure 79. Manufacturing Process Analysis of Residential PV System

Figure 80. Residential PV System Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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