

Global Residential Solar PV Module Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/GDFA06184D94EN.html>

Date: March 2025

Pages: 181

Price: US\$ 3,200.00 (Single User License)

ID: GDFA06184D94EN

Abstracts

Report Overview

Residential Solar PV Module is a photovoltaic panel designed for residential use, converting sunlight into electricity. Typically mounted on rooftops, these modules consist of interconnected solar cells encapsulated in a protective layer. They generate clean and renewable energy for homes, contributing to reduced dependence on conventional power sources and lowering carbon footprints. Residential Solar PV Modules play a crucial role in decentralized energy production, allowing homeowners to harness solar power for their electricity needs, promoting sustainability, and often enabling grid-tied or off-grid solar systems for residential energy independence.

This report provides a deep insight into the global Residential Solar PV Module market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Residential Solar PV Module Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers,

consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Residential Solar PV Module market in any manner.

Global Residential Solar PV Module Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Canadian Solar

First Solar

The Solaria Corporation

LG Electronics

SOLAR FRONTIER K.K.

SunPower Corporation

Indosolar

VIKRAM SOLAR LTD

JinkoSolar

Yingli Energy

Zhejiang Yuhui Solar Energy Source

Longi Green Energy Technology

Trina Solar

Shunfeng International Clean Energy

Risen Energy

Motech Industries

Market Segmentation (by Type)

On-Grid

Off-Grid

Market Segmentation (by Application)

Residential Ground Installation

Residential Roof Installation

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Residential Solar PV Module Market

Overview of the regional outlook of the Residential Solar PV Module Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major

players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Residential Solar PV Module Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan,

merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Residential Solar PV Module

1.2 Key Market Segments

1.2.1 Residential Solar PV Module Segment by Type

1.2.2 Residential Solar PV Module Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 RESIDENTIAL SOLAR PV MODULE MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Residential Solar PV Module Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Residential Solar PV Module Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 RESIDENTIAL SOLAR PV MODULE MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Residential Solar PV Module Product Life Cycle

3.3 Global Residential Solar PV Module Sales by Manufacturers (2020-2025)

3.4 Global Residential Solar PV Module Revenue Market Share by Manufacturers (2020-2025)

3.5 Residential Solar PV Module Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Residential Solar PV Module Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Residential Solar PV Module Manufacturing Sites, Area Served, Product Type

3.8 Residential Solar PV Module Market Competitive Situation and Trends

3.8.1 Residential Solar PV Module Market Concentration Rate

3.8.2 Global 5 and 10 Largest Residential Solar PV Module Players Market Share by

Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 RESIDENTIAL SOLAR PV MODULE INDUSTRY CHAIN ANALYSIS

4.1 Residential Solar PV Module Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF RESIDENTIAL SOLAR PV MODULE MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Residential Solar PV Module Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 Global Trade Frictions and Their Impacts to Residential Solar PV Module Market

5.7 ESG Ratings of Leading Companies

6 RESIDENTIAL SOLAR PV MODULE MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Residential Solar PV Module Sales Market Share by Type (2020-2025)

6.3 Global Residential Solar PV Module Market Size Market Share by Type (2020-2025)

6.4 Global Residential Solar PV Module Price by Type (2020-2025)

7 RESIDENTIAL SOLAR PV MODULE MARKET SEGMENTATION BY

APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Residential Solar PV Module Market Sales by Application (2020-2025)
- 7.3 Global Residential Solar PV Module Market Size (M USD) by Application (2020-2025)
- 7.4 Global Residential Solar PV Module Sales Growth Rate by Application (2020-2025)

8 RESIDENTIAL SOLAR PV MODULE MARKET SALES BY REGION

- 8.1 Global Residential Solar PV Module Sales by Region
 - 8.1.1 Global Residential Solar PV Module Sales by Region
 - 8.1.2 Global Residential Solar PV Module Sales Market Share by Region
- 8.2 Global Residential Solar PV Module Market Size by Region
 - 8.2.1 Global Residential Solar PV Module Market Size by Region
 - 8.2.2 Global Residential Solar PV Module Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America Residential Solar PV Module Sales by Country
 - 8.3.2 North America Residential Solar PV Module Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Residential Solar PV Module Sales by Country
 - 8.4.2 Europe Residential Solar PV Module Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Residential Solar PV Module Sales by Region
 - 8.5.2 Asia Pacific Residential Solar PV Module Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America

- 8.6.1 South America Residential Solar PV Module Sales by Country
- 8.6.2 South America Residential Solar PV Module Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Residential Solar PV Module Sales by Region
 - 8.7.2 Middle East and Africa Residential Solar PV Module Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 RESIDENTIAL SOLAR PV MODULE MARKET PRODUCTION BY REGION

- 9.1 Global Production of Residential Solar PV Module by Region(2020-2025)
- 9.2 Global Residential Solar PV Module Revenue Market Share by Region (2020-2025)
- 9.3 Global Residential Solar PV Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Residential Solar PV Module Production
 - 9.4.1 North America Residential Solar PV Module Production Growth Rate (2020-2025)
 - 9.4.2 North America Residential Solar PV Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Residential Solar PV Module Production
 - 9.5.1 Europe Residential Solar PV Module Production Growth Rate (2020-2025)
 - 9.5.2 Europe Residential Solar PV Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Residential Solar PV Module Production (2020-2025)
 - 9.6.1 Japan Residential Solar PV Module Production Growth Rate (2020-2025)
 - 9.6.2 Japan Residential Solar PV Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Residential Solar PV Module Production (2020-2025)
 - 9.7.1 China Residential Solar PV Module Production Growth Rate (2020-2025)
 - 9.7.2 China Residential Solar PV Module Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Canadian Solar

- 10.1.1 Canadian Solar Basic Information
- 10.1.2 Canadian Solar Residential Solar PV Module Product Overview
- 10.1.3 Canadian Solar Residential Solar PV Module Product Market Performance
- 10.1.4 Canadian Solar Business Overview
- 10.1.5 Canadian Solar SWOT Analysis
- 10.1.6 Canadian Solar Recent Developments

10.2 First Solar

- 10.2.1 First Solar Basic Information
- 10.2.2 First Solar Residential Solar PV Module Product Overview
- 10.2.3 First Solar Residential Solar PV Module Product Market Performance
- 10.2.4 First Solar Business Overview
- 10.2.5 First Solar SWOT Analysis
- 10.2.6 First Solar Recent Developments

10.3 The Solaria Corporation

- 10.3.1 The Solaria Corporation Basic Information
- 10.3.2 The Solaria Corporation Residential Solar PV Module Product Overview
- 10.3.3 The Solaria Corporation Residential Solar PV Module Product Market Performance
- 10.3.4 The Solaria Corporation Business Overview
- 10.3.5 The Solaria Corporation SWOT Analysis
- 10.3.6 The Solaria Corporation Recent Developments

10.4 LG Electronics

- 10.4.1 LG Electronics Basic Information
- 10.4.2 LG Electronics Residential Solar PV Module Product Overview
- 10.4.3 LG Electronics Residential Solar PV Module Product Market Performance
- 10.4.4 LG Electronics Business Overview
- 10.4.5 LG Electronics Recent Developments

10.5 SOLAR FRONTIER K.K.

- 10.5.1 SOLAR FRONTIER K.K. Basic Information
- 10.5.2 SOLAR FRONTIER K.K. Residential Solar PV Module Product Overview
- 10.5.3 SOLAR FRONTIER K.K. Residential Solar PV Module Product Market Performance
- 10.5.4 SOLAR FRONTIER K.K. Business Overview
- 10.5.5 SOLAR FRONTIER K.K. Recent Developments

10.6 SunPower Corporation

- 10.6.1 SunPower Corporation Basic Information
- 10.6.2 SunPower Corporation Residential Solar PV Module Product Overview

10.6.3 SunPower Corporation Residential Solar PV Module Product Market Performance

10.6.4 SunPower Corporation Business Overview

10.6.5 SunPower Corporation Recent Developments

10.7 Indosolar

10.7.1 Indosolar Basic Information

10.7.2 Indosolar Residential Solar PV Module Product Overview

10.7.3 Indosolar Residential Solar PV Module Product Market Performance

10.7.4 Indosolar Business Overview

10.7.5 Indosolar Recent Developments

10.8 VIKRAM SOLAR LTD

10.8.1 VIKRAM SOLAR LTD Basic Information

10.8.2 VIKRAM SOLAR LTD Residential Solar PV Module Product Overview

10.8.3 VIKRAM SOLAR LTD Residential Solar PV Module Product Market Performance

Performance

10.8.4 VIKRAM SOLAR LTD Business Overview

10.8.5 VIKRAM SOLAR LTD Recent Developments

10.9 JinkoSolar

10.9.1 JinkoSolar Basic Information

10.9.2 JinkoSolar Residential Solar PV Module Product Overview

10.9.3 JinkoSolar Residential Solar PV Module Product Market Performance

10.9.4 JinkoSolar Business Overview

10.9.5 JinkoSolar Recent Developments

10.10 Yingli Energy

10.10.1 Yingli Energy Basic Information

10.10.2 Yingli Energy Residential Solar PV Module Product Overview

10.10.3 Yingli Energy Residential Solar PV Module Product Market Performance

10.10.4 Yingli Energy Business Overview

10.10.5 Yingli Energy Recent Developments

10.11 Zhejiang Yuhui Solar Energy Source

10.11.1 Zhejiang Yuhui Solar Energy Source Basic Information

Overview

Market Performance

10.11.4 Zhejiang Yuhui Solar Energy Source Business Overview

10.11.5 Zhejiang Yuhui Solar Energy Source Recent Developments

10.12 Longi Green Energy Technology

10.12.1 Longi Green Energy Technology Basic Information

- 10.12.2 Longi Green Energy Technology Residential Solar PV Module Product Overview
- 10.12.3 Longi Green Energy Technology Residential Solar PV Module Product Market Performance
- 10.12.4 Longi Green Energy Technology Business Overview
- 10.12.5 Longi Green Energy Technology Recent Developments
- 10.13 Trina Solar
 - 10.13.1 Trina Solar Basic Information
 - 10.13.2 Trina Solar Residential Solar PV Module Product Overview
 - 10.13.3 Trina Solar Residential Solar PV Module Product Market Performance
 - 10.13.4 Trina Solar Business Overview
 - 10.13.5 Trina Solar Recent Developments
- 10.14 Shunfeng International Clean Energy
 - 10.14.1 Shunfeng International Clean Energy Basic Information
 - 10.14.2 Shunfeng International Clean Energy Residential Solar PV Module Product Overview
 - 10.14.3 Shunfeng International Clean Energy Residential Solar PV Module Product Market Performance
 - 10.14.4 Shunfeng International Clean Energy Business Overview
 - 10.14.5 Shunfeng International Clean Energy Recent Developments
- 10.15 Risen Energy
 - 10.15.1 Risen Energy Basic Information
 - 10.15.2 Risen Energy Residential Solar PV Module Product Overview
 - 10.15.3 Risen Energy Residential Solar PV Module Product Market Performance
 - 10.15.4 Risen Energy Business Overview
 - 10.15.5 Risen Energy Recent Developments
- 10.16 Motech Industries
 - 10.16.1 Motech Industries Basic Information
 - 10.16.2 Motech Industries Residential Solar PV Module Product Overview
 - 10.16.3 Motech Industries Residential Solar PV Module Product Market Performance
 - 10.16.4 Motech Industries Business Overview
 - 10.16.5 Motech Industries Recent Developments

11 RESIDENTIAL SOLAR PV MODULE MARKET FORECAST BY REGION

- 11.1 Global Residential Solar PV Module Market Size Forecast
- 11.2 Global Residential Solar PV Module Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Residential Solar PV Module Market Size Forecast by Country

- 11.2.3 Asia Pacific Residential Solar PV Module Market Size Forecast by Region
- 11.2.4 South America Residential Solar PV Module Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of Residential Solar PV Module by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

- 12.1 Global Residential Solar PV Module Market Forecast by Type (2026-2033)
 - 12.1.1 Global Forecasted Sales of Residential Solar PV Module by Type (2026-2033)
 - 12.1.2 Global Residential Solar PV Module Market Size Forecast by Type (2026-2033)
 - 12.1.3 Global Forecasted Price of Residential Solar PV Module by Type (2026-2033)
- 12.2 Global Residential Solar PV Module Market Forecast by Application (2026-2033)
 - 12.2.1 Global Residential Solar PV Module Sales (K Units) Forecast by Application
 - 12.2.2 Global Residential Solar PV Module Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List of Tables

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Residential Solar PV Module Market Size Comparison by Region (M USD)
- Table 5. Global Residential Solar PV Module Sales (K Units) by Manufacturers (2020-2025)
- Table 6. Global Residential Solar PV Module Sales Market Share by Manufacturers (2020-2025)
- Table 7. Global Residential Solar PV Module Revenue (M USD) by Manufacturers (2020-2025)
- Table 8. Global Residential Solar PV Module Revenue Share by Manufacturers (2020-2025)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Residential Solar PV Module as of 2024)
- Table 10. Global Market Residential Solar PV Module Average Price (USD/Unit) of Key Manufacturers (2020-2025)
- Table 11. Manufacturers Residential Solar PV Module Manufacturing Sites and Area Served
- Table 12. Manufacturers Residential Solar PV Module Product Type
- Table 13. Global Residential Solar PV Module Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Residential Solar PV Module Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global Residential Solar PV Module Sales by Type (K Units)

Table 25. Global Residential Solar PV Module Market Size by Type (M USD)

Table 26. Global Residential Solar PV Module Sales (K Units) by Type (2020-2025)

Table 27. Global Residential Solar PV Module Sales Market Share by Type (2020-2025)

Table 28. Global Residential Solar PV Module Market Size (M USD) by Type
(2020-2025)

Table 29. Global Residential Solar PV Module Market Size Share by Type (2020-2025)

Table 30. Global Residential Solar PV Module Price (USD/Unit) by Type (2020-2025)

Table 31. Global Residential Solar PV Module Sales (K Units) by Application

Table 32. Global Residential Solar PV Module Market Size by Application

Table 33. Global Residential Solar PV Module Sales by Application (2020-2025) & (K
Units)

Table 34. Global Residential Solar PV Module Sales Market Share by Application
(2020-2025)

Table 35. Global Residential Solar PV Module Market Size by Application (2020-2025)
& (M USD)

Table 36. Global Residential Solar PV Module Market Share by Application (2020-2025)

Table 37. Global Residential Solar PV Module Sales Growth Rate by Application
(2020-2025)

Table 38. Global Residential Solar PV Module Sales by Region (2020-2025) & (K Units)

Table 39. Global Residential Solar PV Module Sales Market Share by Region
(2020-2025)

Table 40. Global Residential Solar PV Module Market Size by Region (2020-2025) & (M
USD)

Table 41. Global Residential Solar PV Module Market Size Market Share by Region
(2020-2025)

Table 42. North America Residential Solar PV Module Sales by Country (2020-2025) &
(K Units)

Table 43. North America Residential Solar PV Module Market Size by Country

(2020-2025) & (M USD)

Table 44. Europe Residential Solar PV Module Sales by Country (2020-2025) & (K Units)

Table 45. Europe Residential Solar PV Module Market Size by Country (2020-2025) & (M USD)

Table 46. Asia Pacific Residential Solar PV Module Sales by Region (2020-2025) & (K Units)

Table 47. Asia Pacific Residential Solar PV Module Market Size by Region (2020-2025) & (M USD)

Table 48. South America Residential Solar PV Module Sales by Country (2020-2025) & (K Units)

Table 49. South America Residential Solar PV Module Market Size by Country (2020-2025) & (M USD)

Table 50. Middle East and Africa Residential Solar PV Module Sales by Region (2020-2025) & (K Units)

Table 51. Middle East and Africa Residential Solar PV Module Market Size by Region (2020-2025) & (M USD)

Table 52. Global Residential Solar PV Module Production (K Units) by Region(2020-2025)

Table 53. Global Residential Solar PV Module Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global Residential Solar PV Module Revenue Market Share by Region (2020-2025)

Table 55. Global Residential Solar PV Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 56. North America Residential Solar PV Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. Europe Residential Solar PV Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Japan Residential Solar PV Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. China Residential Solar PV Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Canadian Solar Basic Information

Table 61. Canadian Solar Residential Solar PV Module Product Overview

Table 62. Canadian Solar Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 63. Canadian Solar Business Overview

Table 64. Canadian Solar SWOT Analysis

Table 65. Canadian Solar Recent Developments
Table 66. First Solar Basic Information
Table 67. First Solar Residential Solar PV Module Product Overview
Table 68. First Solar Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 69. First Solar Business Overview
Table 70. First Solar SWOT Analysis
Table 71. First Solar Recent Developments
Table 72. The Solaria Corporation Basic Information
Table 73. The Solaria Corporation Residential Solar PV Module Product Overview
Table 74. The Solaria Corporation Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 75. The Solaria Corporation Business Overview
Table 76. The Solaria Corporation SWOT Analysis
Table 77. The Solaria Corporation Recent Developments
Table 78. LG Electronics Basic Information
Table 79. LG Electronics Residential Solar PV Module Product Overview
Table 80. LG Electronics Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 81. LG Electronics Business Overview
Table 82. LG Electronics Recent Developments
Table 83. SOLAR FRONTIER K.K. Basic Information
Table 84. SOLAR FRONTIER K.K. Residential Solar PV Module Product Overview
Table 85. SOLAR FRONTIER K.K. Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 86. SOLAR FRONTIER K.K. Business Overview
Table 87. SOLAR FRONTIER K.K. Recent Developments
Table 88. SunPower Corporation Basic Information
Table 89. SunPower Corporation Residential Solar PV Module Product Overview
Table 90. SunPower Corporation Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 91. SunPower Corporation Business Overview
Table 92. SunPower Corporation Recent Developments
Table 93. Indosolar Basic Information
Table 94. Indosolar Residential Solar PV Module Product Overview
Table 95. Indosolar Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 96. Indosolar Business Overview
Table 97. Indosolar Recent Developments

Table 98. VIKRAM SOLAR LTD Basic Information
Table 99. VIKRAM SOLAR LTD Residential Solar PV Module Product Overview
Table 100. VIKRAM SOLAR LTD Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 101. VIKRAM SOLAR LTD Business Overview
Table 102. VIKRAM SOLAR LTD Recent Developments
Table 103. JinkoSolar Basic Information
Table 104. JinkoSolar Residential Solar PV Module Product Overview
Table 105. JinkoSolar Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 106. JinkoSolar Business Overview
Table 107. JinkoSolar Recent Developments
Table 108. Yingli Energy Basic Information
Table 109. Yingli Energy Residential Solar PV Module Product Overview
Table 110. Yingli Energy Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 111. Yingli Energy Business Overview
Table 112. Yingli Energy Recent Developments
Table 113. Zhejiang Yuhui Solar Energy Source Basic Information
Table 114. Zhejiang Yuhui Solar Energy Source Residential Solar PV Module Product Overview
Table 115. Zhejiang Yuhui Solar Energy Source Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 116. Zhejiang Yuhui Solar Energy Source Business Overview
Table 117. Zhejiang Yuhui Solar Energy Source Recent Developments
Table 118. Longi Green Energy Technology Basic Information
Table 119. Longi Green Energy Technology Residential Solar PV Module Product Overview
Table 120. Longi Green Energy Technology Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 121. Longi Green Energy Technology Business Overview
Table 122. Longi Green Energy Technology Recent Developments
Table 123. Trina Solar Basic Information
Table 124. Trina Solar Residential Solar PV Module Product Overview
Table 125. Trina Solar Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 126. Trina Solar Business Overview
Table 127. Trina Solar Recent Developments
Table 128. Shunfeng International Clean Energy Basic Information

Table 129. Shunfeng International Clean Energy Residential Solar PV Module Product Overview

Table 130. Shunfeng International Clean Energy Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 131. Shunfeng International Clean Energy Business Overview

Table 132. Shunfeng International Clean Energy Recent Developments

Table 133. Risen Energy Basic Information

Table 134. Risen Energy Residential Solar PV Module Product Overview

Table 135. Risen Energy Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 136. Risen Energy Business Overview

Table 137. Risen Energy Recent Developments

Table 138. Motech Industries Basic Information

Table 139. Motech Industries Residential Solar PV Module Product Overview

Table 140. Motech Industries Residential Solar PV Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 141. Motech Industries Business Overview

Table 142. Motech Industries Recent Developments

Table 143. Global Residential Solar PV Module Sales Forecast by Region (2026-2033) & (K Units)

Table 144. Global Residential Solar PV Module Market Size Forecast by Region (2026-2033) & (M USD)

Table 145. North America Residential Solar PV Module Sales Forecast by Country (2026-2033) & (K Units)

Table 146. North America Residential Solar PV Module Market Size Forecast by Country (2026-2033) & (M USD)

Table 147. Europe Residential Solar PV Module Sales Forecast by Country (2026-2033) & (K Units)

Table 148. Europe Residential Solar PV Module Market Size Forecast by Country (2026-2033) & (M USD)

Table 149. Asia Pacific Residential Solar PV Module Sales Forecast by Region (2026-2033) & (K Units)

Table 150. Asia Pacific Residential Solar PV Module Market Size Forecast by Region (2026-2033) & (M USD)

Table 151. South America Residential Solar PV Module Sales Forecast by Country (2026-2033) & (K Units)

Table 152. South America Residential Solar PV Module Market Size Forecast by Country (2026-2033) & (M USD)

Table 153. Middle East and Africa Residential Solar PV Module Sales Forecast by

Country (2026-2033) & (Units)

Table 154. Middle East and Africa Residential Solar PV Module Market Size Forecast by Country (2026-2033) & (M USD)

Table 155. Global Residential Solar PV Module Sales Forecast by Type (2026-2033) & (K Units)

Table 156. Global Residential Solar PV Module Market Size Forecast by Type (2026-2033) & (M USD)

Table 157. Global Residential Solar PV Module Price Forecast by Type (2026-2033) & (USD/Unit)

Table 158. Global Residential Solar PV Module Sales (K Units) Forecast by Application (2026-2033)

Table 159. Global Residential Solar PV Module Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of Residential Solar PV Module

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Residential Solar PV Module Market Size (M USD), 2024-2033

Figure 5. Global Residential Solar PV Module Market Size (M USD) (2020-2033)

Figure 6. Global Residential Solar PV Module Sales (K Units) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Residential Solar PV Module Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Residential Solar PV Module Product Life Cycle

Figure 13. Residential Solar PV Module Sales Share by Manufacturers in 2024

Figure 14. Global Residential Solar PV Module Revenue Share by Manufacturers in 2024

Figure 15. Residential Solar PV Module Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Residential Solar PV Module Average Price (USD/Unit) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Residential Solar PV Module Revenue in 2024

Figure 18. Industry Chain Map of Residential Solar PV Module

Figure 19. Global Residential Solar PV Module Market PEST Analysis

Figure 20. Global Residential Solar PV Module Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Residential Solar PV Module Market Share by Type
- Figure 27. Sales Market Share of Residential Solar PV Module by Type (2020-2025)
- Figure 28. Sales Market Share of Residential Solar PV Module by Type in 2024
- Figure 29. Market Size Share of Residential Solar PV Module by Type (2020-2025)
- Figure 30. Market Size Share of Residential Solar PV Module by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Residential Solar PV Module Market Share by Application
- Figure 33. Global Residential Solar PV Module Sales Market Share by Application (2020-2025)
- Figure 34. Global Residential Solar PV Module Sales Market Share by Application in 2024
- Figure 35. Global Residential Solar PV Module Market Share by Application (2020-2025)
- Figure 36. Global Residential Solar PV Module Market Share by Application in 2024
- Figure 37. Global Residential Solar PV Module Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Residential Solar PV Module Sales Market Share by Region (2020-2025)
- Figure 39. Global Residential Solar PV Module Market Size Market Share by Region (2020-2025)
- Figure 40. North America Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Residential Solar PV Module Sales Market Share by Country in 2024
- Figure 43. North America Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Residential Solar PV Module Market Size Market Share by Country in 2024
- Figure 45. U.S. Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Residential Solar PV Module Sales (K Units) and Growth Rate

(2020-2025)

Figure 48. Canada Residential Solar PV Module Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Residential Solar PV Module Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Residential Solar PV Module Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Residential Solar PV Module Sales Market Share by Country in 2024

Figure 53. Europe Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Residential Solar PV Module Market Size Market Share by Country in 2024

Figure 55. Germany Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Residential Solar PV Module Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Residential Solar PV Module Sales Market Share by Region in 2024

Figure 67. Asia Pacific Residential Solar PV Module Market Size Market Share by Region in 2024

Figure 68. China Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Residential Solar PV Module Sales and Growth Rate (K Units)

Figure 79. South America Residential Solar PV Module Sales Market Share by Country in 2024

Figure 80. South America Residential Solar PV Module Market Size and Growth Rate (M USD)

Figure 81. South America Residential Solar PV Module Market Size Market Share by Country in 2024

Figure 82. Brazil Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Residential Solar PV Module Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 88. Middle East and Africa Residential Solar PV Module Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Residential Solar PV Module Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Residential Solar PV Module Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Residential Solar PV Module Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Residential Solar PV Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Residential Solar PV Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Residential Solar PV Module Production Market Share by Region (2020-2025)

Figure 103. North America Residential Solar PV Module Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Residential Solar PV Module Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Residential Solar PV Module Production (K Units) Growth Rate (2020-2025)

Figure 106. China Residential Solar PV Module Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Residential Solar PV Module Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Residential Solar PV Module Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Residential Solar PV Module Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Residential Solar PV Module Market Share Forecast by Type (2026-2033)

Figure 111. Global Residential Solar PV Module Sales Forecast by Application (2026-2033)

Figure 112. Global Residential Solar PV Module Market Share Forecast by Application (2026-2033)

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