

Global PV Panel with Aluminum Frame Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GF844E652CC4EN.html>

Date: November 2025

Pages: 141

Price: US\$ 3,480.00 (Single User License)

ID: GF844E652CC4EN

Abstracts

According to our (Global Info Research) latest study, the global PV Panel with Aluminum Frame market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A PV (photovoltaic) panel with an aluminum frame is a solar energy device that converts sunlight into electricity using semiconductor materials. The aluminum frame provides structural support and protection to the solar cells and the encapsulation layers, enhancing durability and ease of installation. It is lightweight, corrosion-resistant, and offers excellent mechanical strength, which makes it suitable for various environmental conditions. The frame also allows for easy mounting on rooftops or ground systems, and it helps in dissipating heat, improving the overall performance and longevity of the solar panel.

This report is a detailed and comprehensive analysis for global PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global PV Panel with Aluminum Frame market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global PV Panel with Aluminum Frame market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global PV Panel with Aluminum Frame market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

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 PV Panel with Aluminum Frame

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 PV Panel with Aluminum Frame 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 Hydro, Constellium, Alumil, FuturaSun, Alom Group, Nippon Light Metal, Hulamin, Wellste Aluminum, Akcome, Yonz Technology, etc.

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

Market Segmentation

PV Panel with Aluminum Frame market is split by Type and by Application. For the period 2020-2031, 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

Double Glass Frame

C-shaped Frame

Other

Market segment by Application

Residential Roof

Industrial and Commercial Roof

Ground Power Station

Major players covered

Hydro

Constellium

Alumil

FuturaSun

Alom Group

Nippon Light Metal

Hulamin

Wellste Aluminum

Akcome

Yonz Technology

Anhui Xinbo Aluminum

CITIC Bohai Aluminum Industries

Yingkou Changtai Aluminum Material

Wuxi Xisha Photoelectric Aluminium

JA Solar Technology

Fen'an Aluminum

Jiangsu Jiangnan Chuangjia

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 PV Panel with Aluminum Frame product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PV Panel with Aluminum Frame, with price, sales quantity, revenue, and global market share of PV Panel with Aluminum Frame from 2020 to 2025.

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

Chapter 4, the PV Panel with Aluminum Frame breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and PV Panel with Aluminum Frame market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 PV Panel with Aluminum Frame.

Chapter 14 and 15, to describe PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Double Glass Frame

1.3.3 C-shaped Frame

1.3.4 Other

1.4 Market Analysis by Application

1.4.1 Overview: Global PV Panel with Aluminum Frame Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Residential Roof

1.4.3 Industrial and Commercial Roof

1.4.4 Ground Power Station

1.5 Global PV Panel with Aluminum Frame Market Size & Forecast

1.5.1 Global PV Panel with Aluminum Frame Consumption Value (2020 & 2024 & 2031)

1.5.2 Global PV Panel with Aluminum Frame Sales Quantity (2020-2031)

1.5.3 Global PV Panel with Aluminum Frame Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Hydro

2.1.1 Hydro Details

2.1.2 Hydro Major Business

2.1.3 Hydro PV Panel with Aluminum Frame Product and Services

2.1.4 Hydro PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Hydro Recent Developments/Updates

2.2 Constellium

2.2.1 Constellium Details

2.2.2 Constellium Major Business

2.2.3 Constellium PV Panel with Aluminum Frame Product and Services

2.2.4 Constellium PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 Constellium Recent Developments/Updates
- 2.3 Alumil
 - 2.3.1 Alumil Details
 - 2.3.2 Alumil Major Business
 - 2.3.3 Alumil PV Panel with Aluminum Frame Product and Services
 - 2.3.4 Alumil PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.3.5 Alumil Recent Developments/Updates
- 2.4 FuturaSun
 - 2.4.1 FuturaSun Details
 - 2.4.2 FuturaSun Major Business
 - 2.4.3 FuturaSun PV Panel with Aluminum Frame Product and Services
 - 2.4.4 FuturaSun PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 FuturaSun Recent Developments/Updates
- 2.5 Alom Group
 - 2.5.1 Alom Group Details
 - 2.5.2 Alom Group Major Business
 - 2.5.3 Alom Group PV Panel with Aluminum Frame Product and Services
 - 2.5.4 Alom Group PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Alom Group Recent Developments/Updates
- 2.6 Nippon Light Metal
 - 2.6.1 Nippon Light Metal Details
 - 2.6.2 Nippon Light Metal Major Business
 - 2.6.3 Nippon Light Metal PV Panel with Aluminum Frame Product and Services
 - 2.6.4 Nippon Light Metal PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Nippon Light Metal Recent Developments/Updates
- 2.7 Hualamin
 - 2.7.1 Hualamin Details
 - 2.7.2 Hualamin Major Business
 - 2.7.3 Hualamin PV Panel with Aluminum Frame Product and Services
 - 2.7.4 Hualamin PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Hualamin Recent Developments/Updates
- 2.8 Wellste Aluminum
 - 2.8.1 Wellste Aluminum Details
 - 2.8.2 Wellste Aluminum Major Business

- 2.8.3 Wellste Aluminum PV Panel with Aluminum Frame Product and Services
- 2.8.4 Wellste Aluminum PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Wellste Aluminum Recent Developments/Updates
- 2.9 Akcome
 - 2.9.1 Akcome Details
 - 2.9.2 Akcome Major Business
 - 2.9.3 Akcome PV Panel with Aluminum Frame Product and Services
 - 2.9.4 Akcome PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Akcome Recent Developments/Updates
- 2.10 Yonz Technology
 - 2.10.1 Yonz Technology Details
 - 2.10.2 Yonz Technology Major Business
 - 2.10.3 Yonz Technology PV Panel with Aluminum Frame Product and Services
 - 2.10.4 Yonz Technology PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Yonz Technology Recent Developments/Updates
- 2.11 Anhui Xinbo Aluminum
 - 2.11.1 Anhui Xinbo Aluminum Details
 - 2.11.2 Anhui Xinbo Aluminum Major Business
 - 2.11.3 Anhui Xinbo Aluminum PV Panel with Aluminum Frame Product and Services
 - 2.11.4 Anhui Xinbo Aluminum PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Anhui Xinbo Aluminum Recent Developments/Updates
- 2.12 CITIC Bohai Aluminum Industries
 - 2.12.1 CITIC Bohai Aluminum Industries Details
 - 2.12.2 CITIC Bohai Aluminum Industries Major Business
 - 2.12.3 CITIC Bohai Aluminum Industries PV Panel with Aluminum Frame Product and Services
 - 2.12.4 CITIC Bohai Aluminum Industries PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 CITIC Bohai Aluminum Industries Recent Developments/Updates
- 2.13 Yingkou Changtai Aluminum Material
 - 2.13.1 Yingkou Changtai Aluminum Material Details
 - 2.13.2 Yingkou Changtai Aluminum Material Major Business
 - 2.13.3 Yingkou Changtai Aluminum Material PV Panel with Aluminum Frame Product and Services
 - 2.13.4 Yingkou Changtai Aluminum Material PV Panel with Aluminum Frame Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Yingkou Changtai Aluminum Material Recent Developments/Updates

2.14 Wuxi Xisha Photoelectric Aluminium

2.14.1 Wuxi Xisha Photoelectric Aluminium Details

2.14.2 Wuxi Xisha Photoelectric Aluminium Major Business

2.14.3 Wuxi Xisha Photoelectric Aluminium PV Panel with Aluminum Frame Product and Services

2.14.4 Wuxi Xisha Photoelectric Aluminium PV Panel with Aluminum Frame Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 Wuxi Xisha Photoelectric Aluminium Recent Developments/Updates

2.15 JA Solar Technology

2.15.1 JA Solar Technology Details

2.15.2 JA Solar Technology Major Business

2.15.3 JA Solar Technology PV Panel with Aluminum Frame Product and Services

2.15.4 JA Solar Technology PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.15.5 JA Solar Technology Recent Developments/Updates

2.16 Fen'an Aluminum

2.16.1 Fen'an Aluminum Details

2.16.2 Fen'an Aluminum Major Business

2.16.3 Fen'an Aluminum PV Panel with Aluminum Frame Product and Services

2.16.4 Fen'an Aluminum PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.16.5 Fen'an Aluminum Recent Developments/Updates

2.17 Jiangsu Jiangnan Chuangjia

2.17.1 Jiangsu Jiangnan Chuangjia Details

2.17.2 Jiangsu Jiangnan Chuangjia Major Business

2.17.3 Jiangsu Jiangnan Chuangjia PV Panel with Aluminum Frame Product and Services

2.17.4 Jiangsu Jiangnan Chuangjia PV Panel with Aluminum Frame Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.17.5 Jiangsu Jiangnan Chuangjia Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PV PANEL WITH ALUMINUM FRAME BY MANUFACTURER

3.1 Global PV Panel with Aluminum Frame Sales Quantity by Manufacturer (2020-2025)

3.2 Global PV Panel with Aluminum Frame Revenue by Manufacturer (2020-2025)

3.3 Global PV Panel with Aluminum Frame Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of PV Panel with Aluminum Frame by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 PV Panel with Aluminum Frame Manufacturer Market Share in 2024

3.4.3 Top 6 PV Panel with Aluminum Frame Manufacturer Market Share in 2024

3.5 PV Panel with Aluminum Frame Market: Overall Company Footprint Analysis

3.5.1 PV Panel with Aluminum Frame Market: Region Footprint

3.5.2 PV Panel with Aluminum Frame Market: Company Product Type Footprint

3.5.3 PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame Market Size by Region

4.1.1 Global PV Panel with Aluminum Frame Sales Quantity by Region (2020-2031)

4.1.2 Global PV Panel with Aluminum Frame Consumption Value by Region (2020-2031)

4.1.3 Global PV Panel with Aluminum Frame Average Price by Region (2020-2031)

4.2 North America PV Panel with Aluminum Frame Consumption Value (2020-2031)

4.3 Europe PV Panel with Aluminum Frame Consumption Value (2020-2031)

4.4 Asia-Pacific PV Panel with Aluminum Frame Consumption Value (2020-2031)

4.5 South America PV Panel with Aluminum Frame Consumption Value (2020-2031)

4.6 Middle East & Africa PV Panel with Aluminum Frame Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)

5.2 Global PV Panel with Aluminum Frame Consumption Value by Type (2020-2031)

5.3 Global PV Panel with Aluminum Frame Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)

6.2 Global PV Panel with Aluminum Frame Consumption Value by Application (2020-2031)

6.3 Global PV Panel with Aluminum Frame Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)

7.2 North America PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)

7.3 North America PV Panel with Aluminum Frame Market Size by Country

7.3.1 North America PV Panel with Aluminum Frame Sales Quantity by Country (2020-2031)

7.3.2 North America PV Panel with Aluminum Frame Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)

8.2 Europe PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)

8.3 Europe PV Panel with Aluminum Frame Market Size by Country

8.3.1 Europe PV Panel with Aluminum Frame Sales Quantity by Country (2020-2031)

8.3.2 Europe PV Panel with Aluminum Frame Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific PV Panel with Aluminum Frame Market Size by Region

9.3.1 Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific PV Panel with Aluminum Frame Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

- 9.3.4 Japan Market Size and Forecast (2020-2031)
- 9.3.5 South Korea Market Size and Forecast (2020-2031)
- 9.3.6 India Market Size and Forecast (2020-2031)
- 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
- 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)
- 10.2 South America PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)
- 10.3 South America PV Panel with Aluminum Frame Market Size by Country
 - 10.3.1 South America PV Panel with Aluminum Frame Sales Quantity by Country (2020-2031)
 - 10.3.2 South America PV Panel with Aluminum Frame Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa PV Panel with Aluminum Frame Market Size by Country
 - 11.3.1 Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa PV Panel with Aluminum Frame Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 PV Panel with Aluminum Frame Market Drivers

12.2 PV Panel with Aluminum Frame Market Restraints

12.3 PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame and Key Manufacturers

13.2 Manufacturing Costs Percentage of PV Panel with Aluminum Frame

13.3 PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame Typical Distributors

14.3 PV Panel with Aluminum Frame 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 PV Panel with Aluminum Frame Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global PV Panel with Aluminum Frame Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Hydro Basic Information, Manufacturing Base and Competitors

Table 4. Hydro Major Business

Table 5. Hydro PV Panel with Aluminum Frame Product and Services

Table 6. Hydro PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Hydro Recent Developments/Updates

Table 8. Constellium Basic Information, Manufacturing Base and Competitors

Table 9. Constellium Major Business

Table 10. Constellium PV Panel with Aluminum Frame Product and Services

Table 11. Constellium PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Constellium Recent Developments/Updates

Table 13. Alumil Basic Information, Manufacturing Base and Competitors

Table 14. Alumil Major Business

Table 15. Alumil PV Panel with Aluminum Frame Product and Services

Table 16. Alumil PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Alumil Recent Developments/Updates

Table 18. FuturaSun Basic Information, Manufacturing Base and Competitors

Table 19. FuturaSun Major Business

Table 20. FuturaSun PV Panel with Aluminum Frame Product and Services

Table 21. FuturaSun PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. FuturaSun Recent Developments/Updates

Table 23. Alom Group Basic Information, Manufacturing Base and Competitors

Table 24. Alom Group Major Business

Table 25. Alom Group PV Panel with Aluminum Frame Product and Services

Table 26. Alom Group PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Alom Group Recent Developments/Updates

Table 28. Nippon Light Metal Basic Information, Manufacturing Base and Competitors

Table 29. Nippon Light Metal Major Business

Table 30. Nippon Light Metal PV Panel with Aluminum Frame Product and Services

Table 31. Nippon Light Metal PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Nippon Light Metal Recent Developments/Updates

Table 33. Hulamin Basic Information, Manufacturing Base and Competitors

Table 34. Hulamin Major Business

Table 35. Hulamin PV Panel with Aluminum Frame Product and Services

Table 36. Hulamin PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Hulamin Recent Developments/Updates

Table 38. Wellste Aluminum Basic Information, Manufacturing Base and Competitors

Table 39. Wellste Aluminum Major Business

Table 40. Wellste Aluminum PV Panel with Aluminum Frame Product and Services

Table 41. Wellste Aluminum PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Wellste Aluminum Recent Developments/Updates

Table 43. Akcome Basic Information, Manufacturing Base and Competitors

Table 44. Akcome Major Business

Table 45. Akcome PV Panel with Aluminum Frame Product and Services

Table 46. Akcome PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Akcome Recent Developments/Updates

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

Table 49. Yonz Technology Major Business

Table 50. Yonz Technology PV Panel with Aluminum Frame Product and Services

Table 51. Yonz Technology PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Yonz Technology Recent Developments/Updates

Table 53. Anhui Xinbo Aluminum Basic Information, Manufacturing Base and Competitors

Table 54. Anhui Xinbo Aluminum Major Business

Table 55. Anhui Xinbo Aluminum PV Panel with Aluminum Frame Product and Services

Table 56. Anhui Xinbo Aluminum PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

- Table 57. Anhui Xinbo Aluminum Recent Developments/Updates
- Table 58. CITIC Bohai Aluminum Industries Basic Information, Manufacturing Base and Competitors
- Table 59. CITIC Bohai Aluminum Industries Major Business
- Table 60. CITIC Bohai Aluminum Industries PV Panel with Aluminum Frame Product and Services
- Table 61. CITIC Bohai Aluminum Industries PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 62. CITIC Bohai Aluminum Industries Recent Developments/Updates
- Table 63. Yingkou Changtai Aluminum Material Basic Information, Manufacturing Base and Competitors
- Table 64. Yingkou Changtai Aluminum Material Major Business
- Table 65. Yingkou Changtai Aluminum Material PV Panel with Aluminum Frame Product and Services
- Table 66. Yingkou Changtai Aluminum Material PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 67. Yingkou Changtai Aluminum Material Recent Developments/Updates
- Table 68. Wuxi Xisha Photoelectric Aluminium Basic Information, Manufacturing Base and Competitors
- Table 69. Wuxi Xisha Photoelectric Aluminium Major Business
- Table 70. Wuxi Xisha Photoelectric Aluminium PV Panel with Aluminum Frame Product and Services
- Table 71. Wuxi Xisha Photoelectric Aluminium PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 72. Wuxi Xisha Photoelectric Aluminium Recent Developments/Updates
- Table 73. JA Solar Technology Basic Information, Manufacturing Base and Competitors
- Table 74. JA Solar Technology Major Business
- Table 75. JA Solar Technology PV Panel with Aluminum Frame Product and Services
- Table 76. JA Solar Technology PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 77. JA Solar Technology Recent Developments/Updates
- Table 78. Fen'an Aluminum Basic Information, Manufacturing Base and Competitors
- Table 79. Fen'an Aluminum Major Business
- Table 80. Fen'an Aluminum PV Panel with Aluminum Frame Product and Services
- Table 81. Fen'an Aluminum PV Panel with Aluminum Frame Sales Quantity (Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Fen'an Aluminum Recent Developments/Updates

Table 83. Jiangsu Jiangnan Chuangjia Basic Information, Manufacturing Base and Competitors

Table 84. Jiangsu Jiangnan Chuangjia Major Business

Table 85. Jiangsu Jiangnan Chuangjia PV Panel with Aluminum Frame Product and Services

Table 86. Jiangsu Jiangnan Chuangjia PV Panel with Aluminum Frame Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Jiangsu Jiangnan Chuangjia Recent Developments/Updates

Table 88. Global PV Panel with Aluminum Frame Sales Quantity by Manufacturer (2020-2025) & (Units)

Table 89. Global PV Panel with Aluminum Frame Revenue by Manufacturer (2020-2025) & (USD Million)

Table 90. Global PV Panel with Aluminum Frame Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 91. Market Position of Manufacturers in PV Panel with Aluminum Frame, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 92. Head Office and PV Panel with Aluminum Frame Production Site of Key Manufacturer

Table 93. PV Panel with Aluminum Frame Market: Company Product Type Footprint

Table 94. PV Panel with Aluminum Frame Market: Company Product Application Footprint

Table 95. PV Panel with Aluminum Frame New Market Entrants and Barriers to Market Entry

Table 96. PV Panel with Aluminum Frame Mergers, Acquisition, Agreements, and Collaborations

Table 97. Global PV Panel with Aluminum Frame Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 98. Global PV Panel with Aluminum Frame Sales Quantity by Region (2020-2025) & (Units)

Table 99. Global PV Panel with Aluminum Frame Sales Quantity by Region (2026-2031) & (Units)

Table 100. Global PV Panel with Aluminum Frame Consumption Value by Region (2020-2025) & (USD Million)

Table 101. Global PV Panel with Aluminum Frame Consumption Value by Region (2026-2031) & (USD Million)

Table 102. Global PV Panel with Aluminum Frame Average Price by Region (2020-2025) & (US\$/Unit)

Table 103. Global PV Panel with Aluminum Frame Average Price by Region (2026-2031) & (US\$/Unit)

Table 104. Global PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 105. Global PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 106. Global PV Panel with Aluminum Frame Consumption Value by Type (2020-2025) & (USD Million)

Table 107. Global PV Panel with Aluminum Frame Consumption Value by Type (2026-2031) & (USD Million)

Table 108. Global PV Panel with Aluminum Frame Average Price by Type (2020-2025) & (US\$/Unit)

Table 109. Global PV Panel with Aluminum Frame Average Price by Type (2026-2031) & (US\$/Unit)

Table 110. Global PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 111. Global PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 112. Global PV Panel with Aluminum Frame Consumption Value by Application (2020-2025) & (USD Million)

Table 113. Global PV Panel with Aluminum Frame Consumption Value by Application (2026-2031) & (USD Million)

Table 114. Global PV Panel with Aluminum Frame Average Price by Application (2020-2025) & (US\$/Unit)

Table 115. Global PV Panel with Aluminum Frame Average Price by Application (2026-2031) & (US\$/Unit)

Table 116. North America PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 117. North America PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 118. North America PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 119. North America PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 120. North America PV Panel with Aluminum Frame Sales Quantity by Country (2020-2025) & (Units)

Table 121. North America PV Panel with Aluminum Frame Sales Quantity by Country

(2026-2031) & (Units)

Table 122. North America PV Panel with Aluminum Frame Consumption Value by Country (2020-2025) & (USD Million)

Table 123. North America PV Panel with Aluminum Frame Consumption Value by Country (2026-2031) & (USD Million)

Table 124. Europe PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 125. Europe PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 126. Europe PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 127. Europe PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 128. Europe PV Panel with Aluminum Frame Sales Quantity by Country (2020-2025) & (Units)

Table 129. Europe PV Panel with Aluminum Frame Sales Quantity by Country (2026-2031) & (Units)

Table 130. Europe PV Panel with Aluminum Frame Consumption Value by Country (2020-2025) & (USD Million)

Table 131. Europe PV Panel with Aluminum Frame Consumption Value by Country (2026-2031) & (USD Million)

Table 132. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 133. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 134. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 135. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 136. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Region (2020-2025) & (Units)

Table 137. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity by Region (2026-2031) & (Units)

Table 138. Asia-Pacific PV Panel with Aluminum Frame Consumption Value by Region (2020-2025) & (USD Million)

Table 139. Asia-Pacific PV Panel with Aluminum Frame Consumption Value by Region (2026-2031) & (USD Million)

Table 140. South America PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 141. South America PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 142. South America PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 143. South America PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 144. South America PV Panel with Aluminum Frame Sales Quantity by Country (2020-2025) & (Units)

Table 145. South America PV Panel with Aluminum Frame Sales Quantity by Country (2026-2031) & (Units)

Table 146. South America PV Panel with Aluminum Frame Consumption Value by Country (2020-2025) & (USD Million)

Table 147. South America PV Panel with Aluminum Frame Consumption Value by Country (2026-2031) & (USD Million)

Table 148. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Type (2020-2025) & (Units)

Table 149. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Type (2026-2031) & (Units)

Table 150. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Application (2020-2025) & (Units)

Table 151. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Application (2026-2031) & (Units)

Table 152. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Country (2020-2025) & (Units)

Table 153. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity by Country (2026-2031) & (Units)

Table 154. Middle East & Africa PV Panel with Aluminum Frame Consumption Value by Country (2020-2025) & (USD Million)

Table 155. Middle East & Africa PV Panel with Aluminum Frame Consumption Value by Country (2026-2031) & (USD Million)

Table 156. PV Panel with Aluminum Frame Raw Material

Table 157. Key Manufacturers of PV Panel with Aluminum Frame Raw Materials

Table 158. PV Panel with Aluminum Frame Typical Distributors

Table 159. PV Panel with Aluminum Frame Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. PV Panel with Aluminum Frame Picture

Figure 2. Global PV Panel with Aluminum Frame Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global PV Panel with Aluminum Frame Revenue Market Share by Type in 2024

Figure 4. Double Glass Frame Examples

Figure 5. C-shaped Frame Examples

Figure 6. Other Examples

Figure 7. Global PV Panel with Aluminum Frame Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global PV Panel with Aluminum Frame Revenue Market Share by Application in 2024

Figure 9. Residential Roof Examples

Figure 10. Industrial and Commercial Roof Examples

Figure 11. Ground Power Station Examples

Figure 12. Global PV Panel with Aluminum Frame Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global PV Panel with Aluminum Frame Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global PV Panel with Aluminum Frame Sales Quantity (2020-2031) & (Units)

Figure 15. Global PV Panel with Aluminum Frame Price (2020-2031) & (US\$/Unit)

Figure 16. Global PV Panel with Aluminum Frame Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global PV Panel with Aluminum Frame Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of PV Panel with Aluminum Frame by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 PV Panel with Aluminum Frame Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 PV Panel with Aluminum Frame Manufacturer (Revenue) Market Share in 2024

Figure 21. Global PV Panel with Aluminum Frame Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global PV Panel with Aluminum Frame Consumption Value Market Share by Region (2020-2031)

Figure 23. North America PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 26. South America PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 28. Global PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global PV Panel with Aluminum Frame Consumption Value Market Share by Type (2020-2031)

Figure 30. Global PV Panel with Aluminum Frame Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global PV Panel with Aluminum Frame Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global PV Panel with Aluminum Frame Revenue Market Share by Application (2020-2031)

Figure 33. Global PV Panel with Aluminum Frame Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America PV Panel with Aluminum Frame Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America PV Panel with Aluminum Frame Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America PV Panel with Aluminum Frame Consumption Value Market Share by Country (2020-2031)

Figure 38. United States PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe PV Panel with Aluminum Frame Sales Quantity Market Share by

Application (2020-2031)

Figure 43. Europe PV Panel with Aluminum Frame Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe PV Panel with Aluminum Frame Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 46. France PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific PV Panel with Aluminum Frame Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific PV Panel with Aluminum Frame Consumption Value Market Share by Region (2020-2031)

Figure 54. China PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 57. India PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 60. South America PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America PV Panel with Aluminum Frame Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America PV Panel with Aluminum Frame Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America PV Panel with Aluminum Frame Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa PV Panel with Aluminum Frame Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa PV Panel with Aluminum Frame Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa PV Panel with Aluminum Frame Consumption Value (2020-2031) & (USD Million)

Figure 74. PV Panel with Aluminum Frame Market Drivers

Figure 75. PV Panel with Aluminum Frame Market Restraints

Figure 76. PV Panel with Aluminum Frame Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of PV Panel with Aluminum Frame in 2024

Figure 79. Manufacturing Process Analysis of PV Panel with Aluminum Frame

Figure 80. PV Panel with Aluminum Frame 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

I would like to order

Product name: Global PV Panel with Aluminum Frame Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GF844E652CC4EN.html>

Price: US\$ 3,480.00 (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/GF844E652CC4EN.html>