

Global Sputtering Targets for Solar Cells Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G99A36AB7B95EN.html>

Date: August 2026

Pages: 145

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

ID: G99A36AB7B95EN

Abstracts

The global Sputtering Targets for Solar Cells market size is expected to reach \$ 1493 million by 2032, rising at a market growth of 7.3% CAGR during the forecast period (2026-2032).

Sputtering targets for solar cells are high-purity solid source materials used in physical vapor deposition processes during photovoltaic cell manufacturing. In a vacuum chamber, argon ions or other energetic particles bombard the target surface, ejecting atoms or molecules that are subsequently deposited onto silicon wafers, glass, metal foils, or flexible substrates. The deposited films function as transparent conductive layers, metal electrodes, recombination contacts, barrier layers, buffer layers, or selected absorber layers. Products are supplied as planar targets, rotary targets, bonded targets, tiled targets, or particle-type targets.

Major materials include ITO, IZO, AZO, GZO, IWO, ICO, and indium-free transparent conductive oxide targets; molybdenum, copper, aluminum, silver, nickel, chromium, titanium, and related alloys; and compound targets such as nickel oxide, molybdenum oxide, CIGS, cadmium sulfide, zinc sulfide, and zinc tin oxide. Applications include heterojunction cells, thin-film silicon cells, CIGS, CdTe, perovskite and perovskite-silicon tandem cells, and other high-efficiency crystalline-silicon cells using PVD metallization or transparent conductive films. Evaporation materials, conductive pastes, target backing plates, sputtering equipment, process gases, and separately traded target scrap are excluded.

Global shipments of sputtering targets for solar cells were approximately 3,100 metric tonnes in 2025, with a weighted FOB-equivalent price of approximately USD 285,000 per metric tonne and gross margins of approximately 18% to 28%.

Growth in the solar-cell sputtering target market is determined not only by global photovoltaic installations but also by the penetration of PVD-intensive cell technologies. Conventional PERC and mainstream TOPCon cells rely primarily on screen-printed metallization and other deposition processes, resulting in comparatively limited target consumption. Heterojunction cells generally require transparent conductive oxide films on both sides of the wafer and therefore represent the most important large-scale crystalline-silicon application for sputtering targets. Continued commercialization of heterojunction cells, thinner wafers, silver-coated copper, and copper electroplating will support demand for ITO, IWO, ICO, AZO, and copper seed-layer targets. CIGS, CdTe, and thin-film silicon cells provide a stable base market for molybdenum back contacts, transparent conductive oxides, and functional-layer targets.

Competition is shifting from purity alone toward density, grain structure, compositional uniformity, particle control, and total cost of ownership. Large-area photovoltaic coating lines are sensitive to nodules, cracking, arcing, and film-thickness variation, as target defects can cause equipment downtime and lower cell yields. Rotary targets are expected to gain share because of their larger erosion zones, higher material utilization, and longer operating life. Indium price volatility and resource constraints will also accelerate the development of low-indium and indium-free transparent conductive targets, while spent-target recycling, remanufacturing, and closed-loop indium management will become increasingly important competitive capabilities.

Downstream demand will evolve along three major routes. Heterojunction and tandem cells will require high-mobility, low-absorption, and low-resistivity ITO, IWO, and ICO targets. Copper metallization and back-contact architectures will support demand for copper, copper-nickel, copper-titanium, titanium, and barrier-layer targets. Thin-film and perovskite technologies will increase consumption of molybdenum, AZO, IZO, nickel oxide, molybdenum oxide, and complex compound targets. Procurement will progressively shift from individual target purchases toward integrated services covering target design, bonding, process qualification, residual-target recovery, and closed-loop material management.

This report studies the global Sputtering Targets for Solar Cells production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Sputtering Targets for Solar Cells and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Sputtering Targets for Solar

Cells that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Sputtering Targets for Solar Cells total production and demand, 2021-2032, (Tons)

Global Sputtering Targets for Solar Cells total production value, 2021-2032, (USD Million)

Global Sputtering Targets for Solar Cells production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Sputtering Targets for Solar Cells consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Sputtering Targets for Solar Cells domestic production, consumption, key domestic manufacturers and share

Global Sputtering Targets for Solar Cells production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Sputtering Targets for Solar Cells production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Sputtering Targets for Solar Cells production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Sputtering Targets for Solar Cells market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include JX Advanced Metals Corporation, Tosoh Corporation, Mitsui Mining & Smelting Co., Ltd., Plansee SE, Materion Corporation, Proterial, Ltd., Umicore, SCI Engineered Materials, Inc., Advanced Nano Products Co., Ltd., Elmet Technologies, LLC, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Sputtering Targets for Solar Cells market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Sputtering Targets for Solar Cells Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Sputtering Targets for Solar Cells Market, Segmentation by Type:

Aluminum Target

Copper Target

Molybdenum Target

Chromium Target

Global Sputtering Targets for Solar Cells Market, Segmentation by Purity Grade:

3N-4N

4N-5N

5N and Above

Global Sputtering Targets for Solar Cells Market, Segmentation by Target Geometry:

Planar Targets

Rotary Targets

Segmented and Tiled Targets

Particle and Custom Targets

Others

Global Sputtering Targets for Solar Cells Market, Segmentation by Application:

Heterojunction Solar Cells

CIGS, CdTe and Thin-Film Silicon Cells

Perovskite and Tandem Solar Cells

Other

Companies Profiled:

JX Advanced Metals Corporation

Tosoh Corporation

Mitsui Mining & Smelting Co., Ltd.

Plansee SE

Materion Corporation

Proterial, Ltd.

Umicore

SCI Engineered Materials, Inc.

Advanced Nano Products Co., Ltd.

Elmet Technologies, LLC

Vital Thin Film Materials Co., Ltd.

Fujian Acetron New Materials Co., Ltd.

Guangxi Crystal Union Photoelectric Materials Co., Ltd.

Wuhu Yingri Technology Co., Ltd.

Ningbo Jiangfeng Electronic Materials Co., Ltd.

Fonlink Photoelectric Luoyang Co., Ltd.

Key Questions Answered:

1. How big is the global Sputtering Targets for Solar Cells market?
2. What is the demand of the global Sputtering Targets for Solar Cells market?
3. What is the year over year growth of the global Sputtering Targets for Solar Cells market?
4. What is the production and production value of the global Sputtering Targets for Solar Cells market?
5. Who are the key producers in the global Sputtering Targets for Solar Cells market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Sputtering Targets for Solar Cells Production Value by Manufacturer (2021-2026)

3.2 World Sputtering Targets for Solar Cells Production by Manufacturer (2021-2026)

3.3 World Sputtering Targets for Solar Cells Average Price by Manufacturer (2021-2026)

3.4 Sputtering Targets for Solar Cells Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Sputtering Targets for Solar Cells Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Sputtering Targets for Solar Cells in 2025

3.5.3 Global Concentration Ratios (CR8) for Sputtering Targets for Solar Cells in 2025

3.6 Sputtering Targets for Solar Cells Market: Overall Company Footprint Analysis

3.6.1 Sputtering Targets for Solar Cells Market: Region Footprint

3.6.2 Sputtering Targets for Solar Cells Market: Company Product Type Footprint

3.6.3 Sputtering Targets for Solar Cells Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Sputtering Targets for Solar Cells Production Value Comparison

4.1.1 United States VS China: Sputtering Targets for Solar Cells Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Sputtering Targets for Solar Cells Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Sputtering Targets for Solar Cells Production Comparison

4.2.1 United States VS China: Sputtering Targets for Solar Cells Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Sputtering Targets for Solar Cells Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Sputtering Targets for Solar Cells Consumption Comparison

4.3.1 United States VS China: Sputtering Targets for Solar Cells Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Sputtering Targets for Solar Cells Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Sputtering Targets for Solar Cells Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Sputtering Targets for Solar Cells Production Value (2021-2026)

4.4.3 United States Based Manufacturers Sputtering Targets for Solar Cells Production (2021-2026)

4.5 China Based Sputtering Targets for Solar Cells Manufacturers and Market Share

4.5.1 China Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Sputtering Targets for Solar Cells Production Value (2021-2026)

4.5.3 China Based Manufacturers Sputtering Targets for Solar Cells Production (2021-2026)

4.6 Rest of World Based Sputtering Targets for Solar Cells Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Sputtering Targets for Solar Cells Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Aluminum Target

5.2.2 Copper Target

5.2.3 Molybdenum Target

5.2.4 Chromium Target

5.3 Market Segment by Type

5.3.1 World Sputtering Targets for Solar Cells Production by Type (2021-2032)

5.3.2 World Sputtering Targets for Solar Cells Production Value by Type (2021-2032)

5.3.3 World Sputtering Targets for Solar Cells Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PURITY GRADE

6.1 World Sputtering Targets for Solar Cells Market Size Overview by Purity Grade:
2021 VS 2025 VS 2032

6.2 Segment Introduction by Purity Grade

6.2.1 3N-4N

6.2.2 4N-5N

6.2.3 5N and Above

6.3 Market Segment by Purity Grade

6.3.1 World Sputtering Targets for Solar Cells Production by Purity Grade (2021-2032)

6.3.2 World Sputtering Targets for Solar Cells Production Value by Purity Grade
(2021-2032)

6.3.3 World Sputtering Targets for Solar Cells Average Price by Purity Grade
(2021-2032)

7 MARKET ANALYSIS BY TARGET GEOMETRY

7.1 World Sputtering Targets for Solar Cells Market Size Overview by Target Geometry:
2021 VS 2025 VS 2032

7.2 Segment Introduction by Target Geometry

7.2.1 Planar Targets

7.2.2 Rotary Targets

7.2.3 Segmented and Tiled Targets

7.2.4 Particle and Custom Targets

7.2.5 Others

7.3 Market Segment by Target Geometry

7.3.1 World Sputtering Targets for Solar Cells Production by Target Geometry
(2021-2032)

7.3.2 World Sputtering Targets for Solar Cells Production Value by Target Geometry
(2021-2032)

7.3.3 World Sputtering Targets for Solar Cells Average Price by Target Geometry
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Sputtering Targets for Solar Cells Market Size Overview by Application: 2021

VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Heterojunction Solar Cells

8.2.2 CIGS, CdTe and Thin-Film Silicon Cells

8.2.3 Perovskite and Tandem Solar Cells

8.2.4 Other

8.3 Market Segment by Application

8.3.1 World Sputtering Targets for Solar Cells Production by Application (2021-2032)

8.3.2 World Sputtering Targets for Solar Cells Production Value by Application (2021-2032)

8.3.3 World Sputtering Targets for Solar Cells Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 JX Advanced Metals Corporation

9.1.1 JX Advanced Metals Corporation Details

9.1.2 JX Advanced Metals Corporation Major Business

9.1.3 JX Advanced Metals Corporation Sputtering Targets for Solar Cells Product and Services

9.1.4 JX Advanced Metals Corporation Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 JX Advanced Metals Corporation Recent Developments/Updates

9.1.6 JX Advanced Metals Corporation Competitive Strengths & Weaknesses

9.2 Tosoh Corporation

9.2.1 Tosoh Corporation Details

9.2.2 Tosoh Corporation Major Business

9.2.3 Tosoh Corporation Sputtering Targets for Solar Cells Product and Services

9.2.4 Tosoh Corporation Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Tosoh Corporation Recent Developments/Updates

9.2.6 Tosoh Corporation Competitive Strengths & Weaknesses

9.3 Mitsui Mining & Smelting Co., Ltd.

9.3.1 Mitsui Mining & Smelting Co., Ltd. Details

9.3.2 Mitsui Mining & Smelting Co., Ltd. Major Business

9.3.3 Mitsui Mining & Smelting Co., Ltd. Sputtering Targets for Solar Cells Product and Services

9.3.4 Mitsui Mining & Smelting Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Mitsui Mining & Smelting Co., Ltd. Recent Developments/Updates

9.3.6 Mitsui Mining & Smelting Co., Ltd. Competitive Strengths & Weaknesses

9.4 Plansee SE

9.4.1 Plansee SE Details

9.4.2 Plansee SE Major Business

9.4.3 Plansee SE Sputtering Targets for Solar Cells Product and Services

9.4.4 Plansee SE Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Plansee SE Recent Developments/Updates

9.4.6 Plansee SE Competitive Strengths & Weaknesses

9.5 Materion Corporation

9.5.1 Materion Corporation Details

9.5.2 Materion Corporation Major Business

9.5.3 Materion Corporation Sputtering Targets for Solar Cells Product and Services

9.5.4 Materion Corporation Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Materion Corporation Recent Developments/Updates

9.5.6 Materion Corporation Competitive Strengths & Weaknesses

9.6 Proterial, Ltd.

9.6.1 Proterial, Ltd. Details

9.6.2 Proterial, Ltd. Major Business

9.6.3 Proterial, Ltd. Sputtering Targets for Solar Cells Product and Services

9.6.4 Proterial, Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Proterial, Ltd. Recent Developments/Updates

9.6.6 Proterial, Ltd. Competitive Strengths & Weaknesses

9.7 Umicore

9.7.1 Umicore Details

9.7.2 Umicore Major Business

9.7.3 Umicore Sputtering Targets for Solar Cells Product and Services

9.7.4 Umicore Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Umicore Recent Developments/Updates

9.7.6 Umicore Competitive Strengths & Weaknesses

9.8 SCI Engineered Materials, Inc.

9.8.1 SCI Engineered Materials, Inc. Details

9.8.2 SCI Engineered Materials, Inc. Major Business

9.8.3 SCI Engineered Materials, Inc. Sputtering Targets for Solar Cells Product and Services

9.8.4 SCI Engineered Materials, Inc. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 SCI Engineered Materials, Inc. Recent Developments/Updates

9.8.6 SCI Engineered Materials, Inc. Competitive Strengths & Weaknesses

9.9 Advanced Nano Products Co., Ltd.

9.9.1 Advanced Nano Products Co., Ltd. Details

9.9.2 Advanced Nano Products Co., Ltd. Major Business

9.9.3 Advanced Nano Products Co., Ltd. Sputtering Targets for Solar Cells Product and Services

9.9.4 Advanced Nano Products Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Advanced Nano Products Co., Ltd. Recent Developments/Updates

9.9.6 Advanced Nano Products Co., Ltd. Competitive Strengths & Weaknesses

9.10 Elmet Technologies, LLC

9.10.1 Elmet Technologies, LLC Details

9.10.2 Elmet Technologies, LLC Major Business

9.10.3 Elmet Technologies, LLC Sputtering Targets for Solar Cells Product and Services

9.10.4 Elmet Technologies, LLC Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Elmet Technologies, LLC Recent Developments/Updates

9.10.6 Elmet Technologies, LLC Competitive Strengths & Weaknesses

9.11 Vital Thin Film Materials Co., Ltd.

9.11.1 Vital Thin Film Materials Co., Ltd. Details

9.11.2 Vital Thin Film Materials Co., Ltd. Major Business

9.11.3 Vital Thin Film Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

9.11.4 Vital Thin Film Materials Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Vital Thin Film Materials Co., Ltd. Recent Developments/Updates

9.11.6 Vital Thin Film Materials Co., Ltd. Competitive Strengths & Weaknesses

9.12 Fujian Acetron New Materials Co., Ltd.

9.12.1 Fujian Acetron New Materials Co., Ltd. Details

9.12.2 Fujian Acetron New Materials Co., Ltd. Major Business

9.12.3 Fujian Acetron New Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

9.12.4 Fujian Acetron New Materials Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Fujian Acetron New Materials Co., Ltd. Recent Developments/Updates

- 9.12.6 Fujian Acetron New Materials Co., Ltd. Competitive Strengths & Weaknesses
- 9.13 Guangxi Crystal Union Photoelectric Materials Co., Ltd.
 - 9.13.1 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Details
 - 9.13.2 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Major Business
 - 9.13.3 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services
 - 9.13.4 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Recent Developments/Updates
 - 9.13.6 Guangxi Crystal Union Photoelectric Materials Co., Ltd. Competitive Strengths & Weaknesses
- 9.14 Wuhu Yingri Technology Co., Ltd.
 - 9.14.1 Wuhu Yingri Technology Co., Ltd. Details
 - 9.14.2 Wuhu Yingri Technology Co., Ltd. Major Business
 - 9.14.3 Wuhu Yingri Technology Co., Ltd. Sputtering Targets for Solar Cells Product and Services
 - 9.14.4 Wuhu Yingri Technology Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Wuhu Yingri Technology Co., Ltd. Recent Developments/Updates
 - 9.14.6 Wuhu Yingri Technology Co., Ltd. Competitive Strengths & Weaknesses
- 9.15 Ningbo Jiangfeng Electronic Materials Co., Ltd.
 - 9.15.1 Ningbo Jiangfeng Electronic Materials Co., Ltd. Details
 - 9.15.2 Ningbo Jiangfeng Electronic Materials Co., Ltd. Major Business
 - 9.15.3 Ningbo Jiangfeng Electronic Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services
 - 9.15.4 Ningbo Jiangfeng Electronic Materials Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Ningbo Jiangfeng Electronic Materials Co., Ltd. Recent Developments/Updates
 - 9.15.6 Ningbo Jiangfeng Electronic Materials Co., Ltd. Competitive Strengths & Weaknesses
- 9.16 Fonlink Photoelectric Luoyang Co., Ltd.
 - 9.16.1 Fonlink Photoelectric Luoyang Co., Ltd. Details
 - 9.16.2 Fonlink Photoelectric Luoyang Co., Ltd. Major Business
 - 9.16.3 Fonlink Photoelectric Luoyang Co., Ltd. Sputtering Targets for Solar Cells Product and Services
 - 9.16.4 Fonlink Photoelectric Luoyang Co., Ltd. Sputtering Targets for Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Fonlink Photoelectric Luoyang Co., Ltd. Recent Developments/Updates

9.16.6 Fonlink Photoelectric Luoyang Co., Ltd. Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

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

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Sputtering Targets for Solar Cells Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Sputtering Targets for Solar Cells Production Value by Region (2021-2026) & (USD Million)

Table 3. World Sputtering Targets for Solar Cells Production Value by Region (2027-2032) & (USD Million)

Table 4. World Sputtering Targets for Solar Cells Production Value Market Share by Region (2021-2026)

Table 5. World Sputtering Targets for Solar Cells Production Value Market Share by Region (2027-2032)

Table 6. World Sputtering Targets for Solar Cells Production by Region (2021-2026) & (Tons)

Table 7. World Sputtering Targets for Solar Cells Production by Region (2027-2032) & (Tons)

Table 8. World Sputtering Targets for Solar Cells Production Market Share by Region (2021-2026)

Table 9. World Sputtering Targets for Solar Cells Production Market Share by Region (2027-2032)

Table 10. World Sputtering Targets for Solar Cells Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Sputtering Targets for Solar Cells Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Sputtering Targets for Solar Cells Major Market Trends

Table 13. World Sputtering Targets for Solar Cells Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Sputtering Targets for Solar Cells Consumption by Region (2021-2026) & (Tons)

Table 15. World Sputtering Targets for Solar Cells Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Sputtering Targets for Solar Cells Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Sputtering Targets for Solar Cells Producers in 2025

Table 18. World Sputtering Targets for Solar Cells Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Sputtering Targets for Solar Cells Producers in 2025

Table 20. World Sputtering Targets for Solar Cells Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Sputtering Targets for Solar Cells Company Evaluation Quadrant

Table 22. World Sputtering Targets for Solar Cells Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Sputtering Targets for Solar Cells Production Site of Key Manufacturer

Table 24. Sputtering Targets for Solar Cells Market: Company Product Type Footprint

Table 25. Sputtering Targets for Solar Cells Market: Company Product Application Footprint

Table 26. Sputtering Targets for Solar Cells Competitive Factors

Table 27. Sputtering Targets for Solar Cells New Entrant and Capacity Expansion Plans

Table 28. Sputtering Targets for Solar Cells Mergers & Acquisitions Activity

Table 29. United States VS China Sputtering Targets for Solar Cells Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Sputtering Targets for Solar Cells Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Sputtering Targets for Solar Cells Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Sputtering Targets for Solar Cells Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Sputtering Targets for Solar Cells Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Sputtering Targets for Solar Cells Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Sputtering Targets for Solar Cells Production Market Share (2021-2026)

Table 37. China Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Sputtering Targets for Solar Cells Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Sputtering Targets for Solar Cells Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Sputtering Targets for Solar Cells Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Sputtering Targets for Solar Cells Production Market Share (2021-2026)

Table 42. Rest of World Based Sputtering Targets for Solar Cells Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production Market Share (2021-2026)

Table 47. World Sputtering Targets for Solar Cells Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Sputtering Targets for Solar Cells Production by Type (2021-2026) & (Tons)

Table 49. World Sputtering Targets for Solar Cells Production by Type (2027-2032) & (Tons)

Table 50. World Sputtering Targets for Solar Cells Production Value by Type (2021-2026) & (USD Million)

Table 51. World Sputtering Targets for Solar Cells Production Value by Type (2027-2032) & (USD Million)

Table 52. World Sputtering Targets for Solar Cells Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Sputtering Targets for Solar Cells Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Sputtering Targets for Solar Cells Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032

Table 55. World Sputtering Targets for Solar Cells Production by Purity Grade (2021-2026) & (Tons)

Table 56. World Sputtering Targets for Solar Cells Production by Purity Grade (2027-2032) & (Tons)

Table 57. World Sputtering Targets for Solar Cells Production Value by Purity Grade (2021-2026) & (USD Million)

Table 58. World Sputtering Targets for Solar Cells Production Value by Purity Grade (2027-2032) & (USD Million)

Table 59. World Sputtering Targets for Solar Cells Average Price by Purity Grade (2021-2026) & (US\$/Ton)

Table 60. World Sputtering Targets for Solar Cells Average Price by Purity Grade

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

Table 61. World Sputtering Targets for Solar Cells Production Value by Target Geometry, (USD Million), 2021 & 2025 & 2032

Table 62. World Sputtering Targets for Solar Cells Production by Target Geometry (2021-2026) & (Tons)

Table 63. World Sputtering Targets for Solar Cells Production by Target Geometry (2027-2032) & (Tons)

Table 64. World Sputtering Targets for Solar Cells Production Value by Target Geometry (2021-2026) & (USD Million)

Table 65. World Sputtering Targets for Solar Cells Production Value by Target Geometry (2027-2032) & (USD Million)

Table 66. World Sputtering Targets for Solar Cells Average Price by Target Geometry (2021-2026) & (US\$/Ton)

Table 67. World Sputtering Targets for Solar Cells Average Price by Target Geometry (2027-2032) & (US\$/Ton)

Table 68. World Sputtering Targets for Solar Cells Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Sputtering Targets for Solar Cells Production by Application (2021-2026) & (Tons)

Table 70. World Sputtering Targets for Solar Cells Production by Application (2027-2032) & (Tons)

Table 71. World Sputtering Targets for Solar Cells Production Value by Application (2021-2026) & (USD Million)

Table 72. World Sputtering Targets for Solar Cells Production Value by Application (2027-2032) & (USD Million)

Table 73. World Sputtering Targets for Solar Cells Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Sputtering Targets for Solar Cells Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. JX Advanced Metals Corporation Basic Information, Manufacturing Base and Competitors

Table 76. JX Advanced Metals Corporation Major Business

Table 77. JX Advanced Metals Corporation Sputtering Targets for Solar Cells Product and Services

Table 78. JX Advanced Metals Corporation Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. JX Advanced Metals Corporation Recent Developments/Updates

Table 80. JX Advanced Metals Corporation Competitive Strengths & Weaknesses

Table 81. Tosoh Corporation Basic Information, Manufacturing Base and Competitors

Table 82. Tosoh Corporation Major Business

Table 83. Tosoh Corporation Sputtering Targets for Solar Cells Product and Services

Table 84. Tosoh Corporation Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Tosoh Corporation Recent Developments/Updates

Table 86. Tosoh Corporation Competitive Strengths & Weaknesses

Table 87. Mitsui Mining & Smelting Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 88. Mitsui Mining & Smelting Co., Ltd. Major Business

Table 89. Mitsui Mining & Smelting Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 90. Mitsui Mining & Smelting Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Mitsui Mining & Smelting Co., Ltd. Recent Developments/Updates

Table 92. Mitsui Mining & Smelting Co., Ltd. Competitive Strengths & Weaknesses

Table 93. Plansee SE Basic Information, Manufacturing Base and Competitors

Table 94. Plansee SE Major Business

Table 95. Plansee SE Sputtering Targets for Solar Cells Product and Services

Table 96. Plansee SE Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Plansee SE Recent Developments/Updates

Table 98. Plansee SE Competitive Strengths & Weaknesses

Table 99. Materion Corporation Basic Information, Manufacturing Base and Competitors

Table 100. Materion Corporation Major Business

Table 101. Materion Corporation Sputtering Targets for Solar Cells Product and Services

Table 102. Materion Corporation Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Materion Corporation Recent Developments/Updates

Table 104. Materion Corporation Competitive Strengths & Weaknesses

Table 105. Proterial, Ltd. Basic Information, Manufacturing Base and Competitors

Table 106. Proterial, Ltd. Major Business

Table 107. Proterial, Ltd. Sputtering Targets for Solar Cells Product and Services

Table 108. Proterial, Ltd. Sputtering Targets for Solar Cells Production (Tons), Price

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

Table 109. Proterial, Ltd. Recent Developments/Updates

Table 110. Proterial, Ltd. Competitive Strengths & Weaknesses

Table 111. Umicore Basic Information, Manufacturing Base and Competitors

Table 112. Umicore Major Business

Table 113. Umicore Sputtering Targets for Solar Cells Product and Services

Table 114. Umicore Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Umicore Recent Developments/Updates

Table 116. Umicore Competitive Strengths & Weaknesses

Table 117. SCI Engineered Materials, Inc. Basic Information, Manufacturing Base and Competitors

Table 118. SCI Engineered Materials, Inc. Major Business

Table 119. SCI Engineered Materials, Inc. Sputtering Targets for Solar Cells Product and Services

Table 120. SCI Engineered Materials, Inc. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. SCI Engineered Materials, Inc. Recent Developments/Updates

Table 122. SCI Engineered Materials, Inc. Competitive Strengths & Weaknesses

Table 123. Advanced Nano Products Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 124. Advanced Nano Products Co., Ltd. Major Business

Table 125. Advanced Nano Products Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 126. Advanced Nano Products Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Advanced Nano Products Co., Ltd. Recent Developments/Updates

Table 128. Advanced Nano Products Co., Ltd. Competitive Strengths & Weaknesses

Table 129. Elmet Technologies, LLC Basic Information, Manufacturing Base and Competitors

Table 130. Elmet Technologies, LLC Major Business

Table 131. Elmet Technologies, LLC Sputtering Targets for Solar Cells Product and Services

Table 132. Elmet Technologies, LLC Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 133. Elmet Technologies, LLC Recent Developments/Updates

Table 134. Elmet Technologies, LLC Competitive Strengths & Weaknesses

Table 135. Vital Thin Film Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 136. Vital Thin Film Materials Co., Ltd. Major Business

Table 137. Vital Thin Film Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 138. Vital Thin Film Materials Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Vital Thin Film Materials Co., Ltd. Recent Developments/Updates

Table 140. Vital Thin Film Materials Co., Ltd. Competitive Strengths & Weaknesses

Table 141. Fujian Acetron New Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 142. Fujian Acetron New Materials Co., Ltd. Major Business

Table 143. Fujian Acetron New Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 144. Fujian Acetron New Materials Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Fujian Acetron New Materials Co., Ltd. Recent Developments/Updates

Table 146. Fujian Acetron New Materials Co., Ltd. Competitive Strengths & Weaknesses

Table 147. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 148. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Major Business

Table 149. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 150. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Recent Developments/Updates

Table 152. Guangxi Crystal Union Photoelectric Materials Co., Ltd. Competitive Strengths & Weaknesses

Table 153. Wuhu Yingri Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 154. Wuhu Yingri Technology Co., Ltd. Major Business

Table 155. Wuhu Yingri Technology Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 156. Wuhu Yingri Technology Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Wuhu Yingri Technology Co., Ltd. Recent Developments/Updates

Table 158. Wuhu Yingri Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 159. Ningbo Jiangfeng Electronic Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 160. Ningbo Jiangfeng Electronic Materials Co., Ltd. Major Business

Table 161. Ningbo Jiangfeng Electronic Materials Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 162. Ningbo Jiangfeng Electronic Materials Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Ningbo Jiangfeng Electronic Materials Co., Ltd. Recent Developments/Updates

Table 164. Ningbo Jiangfeng Electronic Materials Co., Ltd. Competitive Strengths & Weaknesses

Table 165. Fonlink Photoelectric Luoyang Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 166. Fonlink Photoelectric Luoyang Co., Ltd. Major Business

Table 167. Fonlink Photoelectric Luoyang Co., Ltd. Sputtering Targets for Solar Cells Product and Services

Table 168. Fonlink Photoelectric Luoyang Co., Ltd. Sputtering Targets for Solar Cells Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Fonlink Photoelectric Luoyang Co., Ltd. Recent Developments/Updates

Table 170. Fonlink Photoelectric Luoyang Co., Ltd. Competitive Strengths & Weaknesses

Table 171. Global Key Players of Sputtering Targets for Solar Cells Upstream (Raw Materials)

Table 172. Global Sputtering Targets for Solar Cells Typical Customers

Table 173. Sputtering Targets for Solar Cells Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Sputtering Targets for Solar Cells Picture

Figure 2. World Sputtering Targets for Solar Cells Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Sputtering Targets for Solar Cells Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Sputtering Targets for Solar Cells Production (2021-2032) & (Tons)

Figure 5. World Sputtering Targets for Solar Cells Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Sputtering Targets for Solar Cells Production Value Market Share by Region (2021-2032)

Figure 7. World Sputtering Targets for Solar Cells Production Market Share by Region (2021-2032)

Figure 8. North America Sputtering Targets for Solar Cells Production (2021-2032) & (Tons)

Figure 9. Europe Sputtering Targets for Solar Cells Production (2021-2032) & (Tons)

Figure 10. China Sputtering Targets for Solar Cells Production (2021-2032) & (Tons)

Figure 11. Japan Sputtering Targets for Solar Cells Production (2021-2032) & (Tons)

Figure 12. Sputtering Targets for Solar Cells Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 15. World Sputtering Targets for Solar Cells Consumption Market Share by Region (2021-2032)

Figure 16. United States Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 17. China Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 18. Europe Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 19. Japan Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 20. South Korea Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 22. India Sputtering Targets for Solar Cells Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Sputtering Targets for Solar Cells by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Sputtering Targets for Solar Cells Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Sputtering Targets for Solar Cells Markets in 2025

Figure 26. United States VS China: Sputtering Targets for Solar Cells Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Sputtering Targets for Solar Cells Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Sputtering Targets for Solar Cells Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Sputtering Targets for Solar Cells Production Market Share 2025

Figure 30. China Based Manufacturers Sputtering Targets for Solar Cells Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Sputtering Targets for Solar Cells Production Market Share 2025

Figure 32. World Sputtering Targets for Solar Cells Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Sputtering Targets for Solar Cells Production Value Market Share by Type in 2025

Figure 34. Aluminum Target

Figure 35. Copper Target

Figure 36. Molybdenum Target

Figure 37. Chromium Target

Figure 38. World Sputtering Targets for Solar Cells Production Market Share by Type (2021-2032)

Figure 39. World Sputtering Targets for Solar Cells Production Value Market Share by Type (2021-2032)

Figure 40. World Sputtering Targets for Solar Cells Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. World Sputtering Targets for Solar Cells Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032

Figure 42. World Sputtering Targets for Solar Cells Production Value Market Share by Purity Grade in 2025

Figure 43. 3N-4N

Figure 44. 4N-5N

Figure 45. 5N and Above

Figure 46. World Sputtering Targets for Solar Cells Production Market Share by Purity Grade (2021-2032)

Figure 47. World Sputtering Targets for Solar Cells Production Value Market Share by Purity Grade (2021-2032)

Figure 48. World Sputtering Targets for Solar Cells Average Price by Purity Grade (2021-2032) & (US\$/Ton)

Figure 49. World Sputtering Targets for Solar Cells Production Value by Target Geometry, (USD Million), 2021 & 2025 & 2032

Figure 50. World Sputtering Targets for Solar Cells Production Value Market Share by Target Geometry in 2025

Figure 51. Planar Targets

Figure 52. Rotary Targets

Figure 53. Segmented and Tiled Targets

Figure 54. Particle and Custom Targets

Figure 55. Others

Figure 56. World Sputtering Targets for Solar Cells Production Market Share by Target Geometry (2021-2032)

Figure 57. World Sputtering Targets for Solar Cells Production Value Market Share by Target Geometry (2021-2032)

Figure 58. World Sputtering Targets for Solar Cells Average Price by Target Geometry (2021-2032) & (US\$/Ton)

Figure 59. World Sputtering Targets for Solar Cells Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Sputtering Targets for Solar Cells Production Value Market Share by Application in 2025

Figure 61. Heterojunction Solar Cells

Figure 62. CIGS, CdTe and Thin-Film Silicon Cells

Figure 63. Perovskite and Tandem Solar Cells

Figure 64. Other

Figure 65. World Sputtering Targets for Solar Cells Production Market Share by Application (2021-2032)

Figure 66. World Sputtering Targets for Solar Cells Production Value Market Share by Application (2021-2032)

Figure 67. World Sputtering Targets for Solar Cells Average Price by Application (2021-2032) & (US\$/Ton)

Figure 68. Sputtering Targets for Solar Cells Industry Chain

Figure 69. Sputtering Targets for Solar Cells Procurement Model

Figure 70. Sputtering Targets for Solar Cells Sales Model

Figure 71. Sputtering Targets for Solar Cells Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

I would like to order

Product name: Global Sputtering Targets for Solar Cells Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G99A36AB7B95EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G99A36AB7B95EN.html>