

Global Perovskite Solar Cells Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G04A019CAE9FEN.html>

Date: January 2026

Pages: 217

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

ID: G04A019CAE9FEN

Abstracts

The global Perovskite Solar Cells market size is expected to reach \$ 9134 million by 2032, rising at a market growth of 39.6% CAGR during the forecast period (2026-2032).

Perovskite solar cells are a new type of photovoltaic device that uses perovskite-structured metal-halide materials as the light-absorbing layer to directly convert sunlight into electrical energy. Compared with traditional silicon-based solar cells, perovskite cells have advantages such as flexible fabrication methods, low cost, thin material thickness, and the ability to be lightweight and flexibly packaged. In recent years, their photoelectric conversion efficiency (PCE) has been continuously improving, with some single-junction and perovskite/silicon tandem structure cells reaching or exceeding the efficiency of traditional silicon cells. In 2024, global perovskite solar cell production reached 2.15 gigawatts, with an average selling price of US\$0.29/watt. Gross profit margin was 29.8%-33.74%. Regarding production capacity: Hubei Wandu Solar Energy Co., Ltd. has officially settled in Fuyang with a 3GW perovskite photovoltaic cell module production project. The company will simultaneously plan a 30GW perovskite cell module project, a 10,000-ton-per-year perovskite material production project, and a perovskite module equipment project. On November 14, 2025, the Zhongshan Municipal Bureau of Ecology and Environment accepted the application for a new project by Black Crystal Optoelectronics (Zhongshan) Co., Ltd., with an annual production capacity of 250MW perovskite crystalline silicon tandem solar cells and 350,000 sets of modules. Liyuan New Energy has built an 8,000-square-meter, 100-megawatt perovskite solar cell R&D and production base, with a cumulative investment exceeding 100 million yuan. It plans to officially put 1.2m²×0.6m perovskite solar cells into production in August 2025. Case Study: Rooftop Power Station in Phase II of Quzhou High-speed Railway New City. In Phase II of Quzhou High-speed Railway New City, light gray photovoltaic modules were installed on the rooftop of the buildings

to echo the overall architectural design, balancing aesthetics and photovoltaic power generation. Installed capacity: 444kW.

The world's major manufacturers of perovskite Solar cells include Oxford PV, GCL Suzhou Nanotechnology Co., Ltd, Hubei Wonder Solar, Microquanta Semiconductor, Heiking PV Technology Co., Ltd., Swift Solar and Li Yuan New Energy Technology Co., etc.

Driving Factors: With the accelerated progress towards global carbon neutrality goals and the surge in demand for clean energy, perovskite solar cells, as an emerging photovoltaic technology with the potential for both high efficiency and low cost, are in a crucial window of opportunity during their early industrialization phase. China possesses a complete industrial chain and mature experience in traditional silicon-based photovoltaic manufacturing, and is rapidly extending this advantage to the perovskite field. Compared to silicon cells, perovskite offers advantages such as manufacturing flexibility, lower material usage, and the ability to achieve lightweight and flexible modules, making it suitable for various applications including rooftop photovoltaics, building-integrated photovoltaics (BIPV), and wearable photovoltaics. With several Chinese manufacturers launching 100MW and even GW-level production lines and beginning large-scale mass production, perovskite cells are expected to become a new growth engine for the global photovoltaic industry between 2025 and 2030.

Market Challenges and Risks: However, the development of perovskite cells also faces severe challenges. First, photoelectric conversion efficiency and module durability need to be tested in long-term real-world environments; compared to laboratory environments, outdoor operation places high demands on stability due to light, humidity, and thermal cycling. Secondly, while industrial scale is expanding, issues such as material stability, lead pollution and recycling, long-term reliability, and lifecycle management have not been fully resolved. Furthermore, market concerns remain regarding performance, lifespan, and certification standards; the lack of a robust standard and trust mechanism will hinder large-scale adoption. Finally, due to the industry's early stage, numerous competitors and diverse process routes and material formulations pose risks of homogenization and resource supply pressure.

Downstream Demand Trends: In downstream applications, besides traditional ground/roof solar power plants, perovskite solar cells are experiencing rapid growth in demand for building-integrated photovoltaics (BIPV), distributed rooftop systems, and portable and flexible photovoltaics (such as lightweight tents, transportation vehicles, and wearable devices). With increasing demand for green buildings, renewable energy

rooftops, and mobile/distributed generation, perovskite solar cells, with their thin, flexible, and easily integrated characteristics, have a natural advantage in these emerging markets. Simultaneously, with the development of photovoltaic + energy storage, distributed generation, microgrids/smart grids/home systems, end-user demand for cost-effective, high-efficiency, and easily installable modules will continue to rise, providing a vast market space for perovskite solar cells.

This report studies the global Perovskite Solar Cells production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Perovskite 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 Perovskite Solar Cells that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Perovskite Solar Cells total production and demand, 2021-2032, (MW)

Global Perovskite Solar Cells total production value, 2021-2032, (USD Million)

Global Perovskite Solar Cells production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MW), (based on production site)

Global Perovskite Solar Cells consumption by region & country, CAGR, 2021-2032 & (MW)

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

Global Perovskite Solar Cells production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MW)

Global Perovskite Solar Cells production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MW)

Global Perovskite Solar Cells production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MW)

This report profiles key players in the global Perovskite 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 Oxford PV, Swift Solar, Cubic PV (formerly Hunt Energy), Hanwha Qcells, Saule Technologies, Enecoat Technologies Co., Ltd., Active Surfaces, First Solar (Evolat AB), Taiwan Perovskite Solar Corp., Caelux, 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 Perovskite Solar Cells market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (US\$/W) 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 Perovskite Solar Cells Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Perovskite Solar Cells Market, Segmentation by Type:

Perovskite Single-junction Modules

Perovskite Tandem Modules (Perovskite/Crystalline Silicon; All-perovskite Tandem)

Others

Global Perovskite Solar Cells Market, Segmentation by Technology:

2-terminal Tandem Cell

4-terminal Tandem Cell

Others

Global Perovskite Solar Cells Market, Segmentation by Structure:

Rigid Module

Flexible Module

Global Perovskite Solar Cells Market, Segmentation by Application:

BIPV

Power Station

Transportation & Mobility

Consumer Electronics

Others

Companies Profiled:

Oxford PV

Swift Solar

Cubic PV (formerly Hunt Energy)

Hanwha Qcells

Saule Technologies

Enecoat Technologies Co., Ltd.

Active Surfaces

First Solar (Evolar AB)

Taiwan Perovskite Solar Corp.

Caelux

Kunshan GCL

Wondersolar

Hangzhou MicroQuanta Semiconductor Co., Ltd.

HIKING PV

Liyuan New Energy Technology (Wuxi) Co., Ltd.

UtmoLight Technology Co., Ltd.

Dazheng (Jiangsu) Micro Nano Technology Co., Ltd.

LONGi Green Energy Technology Co.,Ltd.

Jinkosolar Holding Co., Ltd.

Renshine Solar

Anhui Huasun Energy Co.,Ltd.

Tongwei Co., Ltd.

Beijing Yaoneng Photoelectric Technology Co., Ltd.

CATL

HANGXIAO STEEL STRUCTURE CO., LTD.

Wuhan Jiuyao Photoelectric Technology Co., Ltd.

China Huaneng

YanheSolar

BYD

CNNC Optoelectronics Technology (Shanghai) Co., Ltd.

BOE

Hangzhou Colin Electric Co., Ltd.

Ming Yang Smart Energy Group Limited

Chint Group Corporation

Key Questions Answered:

1. How big is the global Perovskite Solar Cells market?
2. What is the demand of the global Perovskite Solar Cells market?
3. What is the year over year growth of the global Perovskite Solar Cells market?
4. What is the production and production value of the global Perovskite Solar Cells

market?

5. Who are the key producers in the global Perovskite Solar Cells market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Perovskite Solar Cells Production Value by Manufacturer (2021-2026)

- 3.2 World Perovskite Solar Cells Production by Manufacturer (2021-2026)
- 3.3 World Perovskite Solar Cells Average Price by Manufacturer (2021-2026)
- 3.4 Perovskite Solar Cells Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Perovskite Solar Cells Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Perovskite Solar Cells in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Perovskite Solar Cells in 2025
- 3.6 Perovskite Solar Cells Market: Overall Company Footprint Analysis
 - 3.6.1 Perovskite Solar Cells Market: Region Footprint
 - 3.6.2 Perovskite Solar Cells Market: Company Product Type Footprint
 - 3.6.3 Perovskite 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: Perovskite Solar Cells Production Value Comparison
 - 4.1.1 United States VS China: Perovskite Solar Cells Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Perovskite Solar Cells Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Perovskite Solar Cells Production Comparison
 - 4.2.1 United States VS China: Perovskite Solar Cells Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Perovskite Solar Cells Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Perovskite Solar Cells Consumption Comparison
 - 4.3.1 United States VS China: Perovskite Solar Cells Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Perovskite Solar Cells Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Perovskite Solar Cells Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Perovskite Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Perovskite Solar Cells Production Value (2021-2026)

4.4.3 United States Based Manufacturers Perovskite Solar Cells Production (2021-2026)

4.5 China Based Perovskite Solar Cells Manufacturers and Market Share

4.5.1 China Based Perovskite Solar Cells Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Perovskite Solar Cells Production Value (2021-2026)

4.5.3 China Based Manufacturers Perovskite Solar Cells Production (2021-2026)

4.6 Rest of World Based Perovskite Solar Cells Manufacturers and Market Share, 2021-2026

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

4.6.2 Rest of World Based Manufacturers Perovskite Solar Cells Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Perovskite Solar Cells Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Perovskite Solar Cells Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Rigid Module

5.2.2 Flexible Module

5.3 Market Segment by Type

5.3.1 World Perovskite Solar Cells Production by Type (2021-2032)

5.3.2 World Perovskite Solar Cells Production Value by Type (2021-2032)

5.3.3 World Perovskite Solar Cells Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Perovskite Solar Cells Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

6.2.1 BIPV

6.2.2 Power Station

6.2.3 Defense & Aerospace

- 6.2.4 Transportation & Mobility
- 6.2.5 Consumer Electronics
- 6.3 Market Segment by Application
 - 6.3.1 World Perovskite Solar Cells Production by Application (2021-2032)
 - 6.3.2 World Perovskite Solar Cells Production Value by Application (2021-2032)
 - 6.3.3 World Perovskite Solar Cells Average Price by Application (2021-2032)

7 COMPANY PROFILES

- 7.1 Oxford PV
 - 7.1.1 Oxford PV Details
 - 7.1.2 Oxford PV Major Business
 - 7.1.3 Oxford PV Perovskite Solar Cells Product and Services
 - 7.1.4 Oxford PV Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.1.5 Oxford PV Recent Developments/Updates
 - 7.1.6 Oxford PV Competitive Strengths & Weaknesses
- 7.2 GCL Suzhou Nanotechnology Co., Ltd
 - 7.2.1 GCL Suzhou Nanotechnology Co., Ltd Details
 - 7.2.2 GCL Suzhou Nanotechnology Co., Ltd Major Business
 - 7.2.3 GCL Suzhou Nanotechnology Co., Ltd Perovskite Solar Cells Product and Services
 - 7.2.4 GCL Suzhou Nanotechnology Co., Ltd Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.2.5 GCL Suzhou Nanotechnology Co., Ltd Recent Developments/Updates
 - 7.2.6 GCL Suzhou Nanotechnology Co., Ltd Competitive Strengths & Weaknesses
- 7.3 Hubei Wonder Solar
 - 7.3.1 Hubei Wonder Solar Details
 - 7.3.2 Hubei Wonder Solar Major Business
 - 7.3.3 Hubei Wonder Solar Perovskite Solar Cells Product and Services
 - 7.3.4 Hubei Wonder Solar Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.3.5 Hubei Wonder Solar Recent Developments/Updates
 - 7.3.6 Hubei Wonder Solar Competitive Strengths & Weaknesses
- 7.4 Microquanta Semiconductor
 - 7.4.1 Microquanta Semiconductor Details
 - 7.4.2 Microquanta Semiconductor Major Business
 - 7.4.3 Microquanta Semiconductor Perovskite Solar Cells Product and Services
 - 7.4.4 Microquanta Semiconductor Perovskite Solar Cells Production, Price, Value,

Gross Margin and Market Share (2021-2026)

7.4.5 Microquanta Semiconductor Recent Developments/Updates

7.4.6 Microquanta Semiconductor Competitive Strengths & Weaknesses

7.5 Heiking PV Technology Co., Ltd.

7.5.1 Heiking PV Technology Co., Ltd. Details

7.5.2 Heiking PV Technology Co., Ltd. Major Business

7.5.3 Heiking PV Technology Co., Ltd. Perovskite Solar Cells Product and Services

7.5.4 Heiking PV Technology Co., Ltd. Perovskite Solar Cells Production, Price, Value,

Gross Margin and Market Share (2021-2026)

7.5.5 Heiking PV Technology Co., Ltd. Recent Developments/Updates

7.5.6 Heiking PV Technology Co., Ltd. Competitive Strengths & Weaknesses

7.6 Swift Solar

7.6.1 Swift Solar Details

7.6.2 Swift Solar Major Business

7.6.3 Swift Solar Perovskite Solar Cells Product and Services

7.6.4 Swift Solar Perovskite Solar Cells Production, Price, Value, Gross Margin and

Market Share (2021-2026)

7.6.5 Swift Solar Recent Developments/Updates

7.6.6 Swift Solar Competitive Strengths & Weaknesses

7.7 Li Yuan New Energy Technology Co.

7.7.1 Li Yuan New Energy Technology Co. Details

7.7.2 Li Yuan New Energy Technology Co. Major Business

7.7.3 Li Yuan New Energy Technology Co. Perovskite Solar Cells Product and Services

7.7.4 Li Yuan New Energy Technology Co. Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.7.5 Li Yuan New Energy Technology Co. Recent Developments/Updates

7.7.6 Li Yuan New Energy Technology Co. Competitive Strengths & Weaknesses

7.8 Hunt Perovskite Technologies (HPT)

7.8.1 Hunt Perovskite Technologies (HPT) Details

7.8.2 Hunt Perovskite Technologies (HPT) Major Business

7.8.3 Hunt Perovskite Technologies (HPT) Perovskite Solar Cells Product and Services

7.8.4 Hunt Perovskite Technologies (HPT) Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.8.5 Hunt Perovskite Technologies (HPT) Recent Developments/Updates

7.8.6 Hunt Perovskite Technologies (HPT) Competitive Strengths & Weaknesses

7.9 Greatcell Energy

7.9.1 Greatcell Energy Details

- 7.9.2 Greatcell Energy Major Business
- 7.9.3 Greatcell Energy Perovskite Solar Cells Product and Services
- 7.9.4 Greatcell Energy Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.9.5 Greatcell Energy Recent Developments/Updates
- 7.9.6 Greatcell Energy Competitive Strengths & Weaknesses
- 7.10 Saule Technologies
 - 7.10.1 Saule Technologies Details
 - 7.10.2 Saule Technologies Major Business
 - 7.10.3 Saule Technologies Perovskite Solar Cells Product and Services
 - 7.10.4 Saule Technologies Perovskite Solar Cells Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.10.5 Saule Technologies Recent Developments/Updates
 - 7.10.6 Saule Technologies Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Perovskite Solar Cells Industry Chain
- 8.2 Perovskite Solar Cells Upstream Analysis
 - 8.2.1 Perovskite Solar Cells Core Raw Materials
 - 8.2.2 Main Manufacturers of Perovskite Solar Cells Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Perovskite Solar Cells Production Mode
- 8.6 Perovskite Solar Cells Procurement Model
- 8.7 Perovskite Solar Cells Industry Sales Model and Sales Channels
 - 8.7.1 Perovskite Solar Cells Sales Model
 - 8.7.2 Perovskite Solar Cells Typical Distributors

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

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

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

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

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

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

Table 6. World Perovskite Solar Cells Production by Region (2021-2026) & (GWh)

Table 7. World Perovskite Solar Cells Production by Region (2027-2032) & (GWh)

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

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

Table 10. World Perovskite Solar Cells Average Price by Region (2021-2026) & (USD/KWh)

Table 11. World Perovskite Solar Cells Average Price by Region (2027-2032) & (USD/KWh)

Table 12. Perovskite Solar Cells Major Market Trends

Table 13. World Perovskite Solar Cells Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (GWh)

Table 14. World Perovskite Solar Cells Consumption by Region (2021-2026) & (GWh)

Table 15. World Perovskite Solar Cells Consumption Forecast by Region (2027-2032) & (GWh)

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

Table 17. Production Value Market Share of Key Perovskite Solar Cells Producers in 2025

Table 18. World Perovskite Solar Cells Production by Manufacturer (2021-2026) & (GWh)

Table 19. Production Market Share of Key Perovskite Solar Cells Producers in 2025

Table 20. World Perovskite Solar Cells Average Price by Manufacturer (2021-2026) & (USD/KWh)

Table 21. Global Perovskite Solar Cells Company Evaluation Quadrant

Table 22. World Perovskite Solar Cells Industry Rank of Major Manufacturers, Based on

Production Value in 2025

Table 23. Head Office and Perovskite Solar Cells Production Site of Key Manufacturer

Table 24. Perovskite Solar Cells Market: Company Product Type Footprint

Table 25. Perovskite Solar Cells Market: Company Product Application Footprint

Table 26. Perovskite Solar Cells Competitive Factors

Table 27. Perovskite Solar Cells New Entrant and Capacity Expansion Plans

Table 28. Perovskite Solar Cells Mergers & Acquisitions Activity

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

Table 30. United States VS China Perovskite Solar Cells Production Comparison, (2021 & 2025 & 2032) & (GWh)

Table 31. United States VS China Perovskite Solar Cells Consumption Comparison, (2021 & 2025 & 2032) & (GWh)

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

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

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

Table 35. United States Based Manufacturers Perovskite Solar Cells Production (2021-2026) & (GWh)

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

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

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

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

Table 40. China Based Manufacturers Perovskite Solar Cells Production, (2021-2026) & (GWh)

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

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

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

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

Table 45. Rest of World Based Manufacturers Perovskite Solar Cells Production, (2021-2026) & (GWh)

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

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

Table 48. World Perovskite Solar Cells Production by Type (2021-2026) & (GWh)

Table 49. World Perovskite Solar Cells Production by Type (2027-2032) & (GWh)

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

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

Table 52. World Perovskite Solar Cells Average Price by Type (2021-2026) & (USD/KWh)

Table 53. World Perovskite Solar Cells Average Price by Type (2027-2032) & (USD/KWh)

Table 54. World Perovskite Solar Cells Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 55. World Perovskite Solar Cells Production by Application (2021-2026) & (GWh)

Table 56. World Perovskite Solar Cells Production by Application (2027-2032) & (GWh)

Table 57. World Perovskite Solar Cells Production Value by Application (2021-2026) & (USD Million)

Table 58. World Perovskite Solar Cells Production Value by Application (2027-2032) & (USD Million)

Table 59. World Perovskite Solar Cells Average Price by Application (2021-2026) & (USD/KWh)

Table 60. World Perovskite Solar Cells Average Price by Application (2027-2032) & (USD/KWh)

Table 61. Oxford PV Basic Information, Manufacturing Base and Competitors

Table 62. Oxford PV Major Business

Table 63. Oxford PV Perovskite Solar Cells Product and Services

Table 64. Oxford PV Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Oxford PV Recent Developments/Updates

Table 66. Oxford PV Competitive Strengths & Weaknesses

Table 67. GCL Suzhou Nanotechnology Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 68. GCL Suzhou Nanotechnology Co., Ltd Major Business

Table 69. GCL Suzhou Nanotechnology Co., Ltd Perovskite Solar Cells Product and

Services

Table 70. GCL Suzhou Nanotechnology Co., Ltd Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 71. GCL Suzhou Nanotechnology Co., Ltd Recent Developments/Updates

Table 72. GCL Suzhou Nanotechnology Co., Ltd Competitive Strengths & Weaknesses

Table 73. Hubei Wonder Solar Basic Information, Manufacturing Base and Competitors

Table 74. Hubei Wonder Solar Major Business

Table 75. Hubei Wonder Solar Perovskite Solar Cells Product and Services

Table 76. Hubei Wonder Solar Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. Hubei Wonder Solar Recent Developments/Updates

Table 78. Hubei Wonder Solar Competitive Strengths & Weaknesses

Table 79. Microquanta Semiconductor Basic Information, Manufacturing Base and Competitors

Table 80. Microquanta Semiconductor Major Business

Table 81. Microquanta Semiconductor Perovskite Solar Cells Product and Services

Table 82. Microquanta Semiconductor Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Microquanta Semiconductor Recent Developments/Updates

Table 84. Microquanta Semiconductor Competitive Strengths & Weaknesses

Table 85. Heiking PV Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 86. Heiking PV Technology Co., Ltd. Major Business

Table 87. Heiking PV Technology Co., Ltd. Perovskite Solar Cells Product and Services

Table 88. Heiking PV Technology Co., Ltd. Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 89. Heiking PV Technology Co., Ltd. Recent Developments/Updates

Table 90. Heiking PV Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 91. Swift Solar Basic Information, Manufacturing Base and Competitors

Table 92. Swift Solar Major Business

Table 93. Swift Solar Perovskite Solar Cells Product and Services

Table 94. Swift Solar Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 95. Swift Solar Recent Developments/Updates

Table 96. Swift Solar Competitive Strengths & Weaknesses

Table 97. Li Yuan New Energy Technology Co. Basic Information, Manufacturing Base and Competitors

Table 98. Li Yuan New Energy Technology Co. Major Business

Table 99. Li Yuan New Energy Technology Co. Perovskite Solar Cells Product and Services

Table 100. Li Yuan New Energy Technology Co. Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 101. Li Yuan New Energy Technology Co. Recent Developments/Updates

Table 102. Li Yuan New Energy Technology Co. Competitive Strengths & Weaknesses

Table 103. Hunt Perovskite Technologies (HPT) Basic Information, Manufacturing Base and Competitors

Table 104. Hunt Perovskite Technologies (HPT) Major Business

Table 105. Hunt Perovskite Technologies (HPT) Perovskite Solar Cells Product and Services

Table 106. Hunt Perovskite Technologies (HPT) Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 107. Hunt Perovskite Technologies (HPT) Recent Developments/Updates

Table 108. Hunt Perovskite Technologies (HPT) Competitive Strengths & Weaknesses

Table 109. Greatcell Energy Basic Information, Manufacturing Base and Competitors

Table 110. Greatcell Energy Major Business

Table 111. Greatcell Energy Perovskite Solar Cells Product and Services

Table 112. Greatcell Energy Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 113. Greatcell Energy Recent Developments/Updates

Table 114. Greatcell Energy Competitive Strengths & Weaknesses

Table 115. Saule Technologies Basic Information, Manufacturing Base and Competitors

Table 116. Saule Technologies Major Business

Table 117. Saule Technologies Perovskite Solar Cells Product and Services

Table 118. Saule Technologies Perovskite Solar Cells Production (GWh), Price (USD/KWh), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 119. Saule Technologies Recent Developments/Updates

Table 120. Saule Technologies Competitive Strengths & Weaknesses

Table 121. Global Key Players of Perovskite Solar Cells Upstream (Raw Materials)

Table 122. Global Perovskite Solar Cells Typical Customers

Table 123. Perovskite Solar Cells Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Perovskite Solar Cells Picture

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

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

Figure 4. World Perovskite Solar Cells Production (2021-2032) & (GWh)

Figure 5. World Perovskite Solar Cells Average Price (2021-2032) & (USD/KWh)

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

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

Figure 8. North America Perovskite Solar Cells Production (2021-2032) & (GWh)

Figure 9. Europe Perovskite Solar Cells Production (2021-2032) & (GWh)

Figure 10. China Perovskite Solar Cells Production (2021-2032) & (GWh)

Figure 11. Japan Perovskite Solar Cells Production (2021-2032) & (GWh)

Figure 12. Perovskite Solar Cells Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Perovskite Solar Cells Consumption (2021-2032) & (GWh)

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

Figure 16. United States Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 17. China Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 18. Europe Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 19. Japan Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 20. South Korea Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 21. ASEAN Perovskite Solar Cells Consumption (2021-2032) & (GWh)

Figure 22. India Perovskite Solar Cells Consumption (2021-2032) & (GWh)

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

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

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

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

Figure 27. United States VS China: Perovskite Solar Cells Production Market Share

Comparison (2021 & 2025 & 2032)

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

Figure 29. United States Based Manufacturers Perovskite Solar Cells Production Market Share 2025

Figure 30. China Based Manufacturers Perovskite Solar Cells Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Perovskite Solar Cells Production Market Share 2025

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

Figure 33. World Perovskite Solar Cells Production Value Market Share by Type in 2025

Figure 34. Rigid Module

Figure 35. Flexible Module

Figure 36. World Perovskite Solar Cells Production Market Share by Type (2021-2032)

Figure 37. World Perovskite Solar Cells Production Value Market Share by Type (2021-2032)

Figure 38. World Perovskite Solar Cells Average Price by Type (2021-2032) & (USD/KWh)

Figure 39. World Perovskite Solar Cells Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 40. World Perovskite Solar Cells Production Value Market Share by Application in 2025

Figure 41. BIPV

Figure 42. Power Station

Figure 43. Defense & Aerospace

Figure 44. Transportation & Mobility

Figure 45. Consumer Electronics

Figure 46. World Perovskite Solar Cells Production Market Share by Application (2021-2032)

Figure 47. World Perovskite Solar Cells Production Value Market Share by Application (2021-2032)

Figure 48. World Perovskite Solar Cells Average Price by Application (2021-2032) & (USD/KWh)

Figure 49. Perovskite Solar Cells Industry Chain

Figure 50. Perovskite Solar Cells Procurement Model

Figure 51. Perovskite Solar Cells Sales Model

Figure 52. Perovskite Solar Cells Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

I would like to order

Product name: Global Perovskite Solar Cells Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G04A019CAE9FEN.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/G04A019CAE9FEN.html>