

# Global Solar Energy Monitors Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G4F81A5E2E19EN.html>

Date: January 2026

Pages: 135

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

ID: G4F81A5E2E19EN

## Abstracts

The global Solar Energy Monitors market size is expected to reach \$ 5979 million by 2032, rising at a market growth of 12.4% CAGR during the forecast period (2026-2032).

In 2025, global Solar Energy Monitors production reached approximately 1.7 million units, with an average global market price of around US\$ 1500 per unit. Annual production capacity is 2 million units. Gross Profit Margin: 34%. Solar Energy Monitors are devices or systems that measure, collect, and display data on the performance of a solar photovoltaic (PV) system, including energy generation, panel efficiency, system health, and often environmental conditions (like sunlight irradiance and temperature). The solar energy monitor industry chain starts upstream with suppliers of sensors, meters, communication modules, and electronic components; continues midstream with manufacturers and software providers that integrate hardware, data loggers, and cloud monitoring platforms; and extends downstream to solar installers, system integrators, utilities, and end users who deploy monitoring solutions across residential, commercial, and utility-scale solar installations. Solar energy monitors are essential for maximizing the efficiency and reliability of solar PV systems. By providing real-time performance data, fault detection, and energy analytics, they help homeowners, businesses, and utilities optimize energy output, reduce maintenance costs, and make informed decisions about energy management, making them a critical tool in the transition to renewable energy.

This report studies the global Solar Energy Monitors production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Solar Energy Monitors total production and demand, 2021-2032, (K Units)

Global Solar Energy Monitors total production value, 2021-2032, (USD Million)

Global Solar Energy Monitors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Solar Energy Monitors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Solar Energy Monitors domestic production, consumption, key domestic manufacturers and share

Global Solar Energy Monitors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Solar Energy Monitors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Solar Energy Monitors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Solar Energy Monitors 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 SolarEdge Technologies (USA), Enphase Energy (USA), Huawei Technologies (China), Tigo Energy (USA), Sungrow Power Supply Co., Ltd. (China), SMA Solar Technology (Germany), Trimark Associates (USA), Solargis (Czech Republic), AlsoEnergy (USA), Solar?Log (Germany), 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 Solar Energy Monitors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) 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 Solar Energy Monitors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Solar Energy Monitors Market, Segmentation by Type:

Hardware Monitors (data loggers, smart meters)

Software / Cloud Monitoring Platforms

Global Solar Energy Monitors Market, Segmentation by Deployment Mode:

On-Premise Systems

Cloud-Based Systems

Hybrid Systems

#### Global Solar Energy Monitors Market, Segmentation by Application:

Residential

Commercial / Industrial

Utility-Scale / Power Plants

#### Companies Profiled:

SolarEdge Technologies (USA)

Enphase Energy (USA)

Huawei Technologies (China)

Tigo Energy (USA)

Sungrow Power Supply Co., Ltd. (China)

SMA Solar Technology (Germany)

Trimark Associates (USA)

Solargis (Czech Republic)

AlsoEnergy (USA)

Solar?Log (Germany)

ABB (Switzerland)

Fronius International (Austria)

Igen Tech / Solarman (China)

Key Questions Answered:

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

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

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

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Solar Energy Monitors Production Value by Manufacturer (2021-2026)

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

4.4.2 United States Based Manufacturers Solar Energy Monitors Production Value (2021-2026)

4.4.3 United States Based Manufacturers Solar Energy Monitors Production (2021-2026)

4.5 China Based Solar Energy Monitors Manufacturers and Market Share

4.5.1 China Based Solar Energy Monitors Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Solar Energy Monitors Production Value (2021-2026)

4.5.3 China Based Manufacturers Solar Energy Monitors Production (2021-2026)

4.6 Rest of World Based Solar Energy Monitors Manufacturers and Market Share, 2021-2026

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

4.6.2 Rest of World Based Manufacturers Solar Energy Monitors Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Solar Energy Monitors Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Solar Energy Monitors Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Hardware Monitors (data loggers, smart meters)

5.2.2 Software / Cloud Monitoring Platforms

5.3 Market Segment by Type

5.3.1 World Solar Energy Monitors Production by Type (2021-2032)

5.3.2 World Solar Energy Monitors Production Value by Type (2021-2032)

5.3.3 World Solar Energy Monitors Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY DEPLOYMENT MODE**

6.1 World Solar Energy Monitors Market Size Overview by Deployment Mode: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Deployment Mode

6.2.1 On-Premise Systems

6.2.2 Cloud-Based Systems

6.2.3 Hybrid Systems

## 6.3 Market Segment by Deployment Mode

6.3.1 World Solar Energy Monitors Production by Deployment Mode (2021-2032)

6.3.2 World Solar Energy Monitors Production Value by Deployment Mode (2021-2032)

6.3.3 World Solar Energy Monitors Average Price by Deployment Mode (2021-2032)

## 7 MARKET ANALYSIS BY APPLICATION

7.1 World Solar Energy Monitors Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Residential

7.2.2 Commercial / Industrial

7.2.3 Utility-Scale / Power Plants

7.3 Market Segment by Application

7.3.1 World Solar Energy Monitors Production by Application (2021-2032)

7.3.2 World Solar Energy Monitors Production Value by Application (2021-2032)

7.3.3 World Solar Energy Monitors Average Price by Application (2021-2032)

## 8 COMPANY PROFILES

8.1 SolarEdge Technologies (USA)

8.1.1 SolarEdge Technologies (USA) Details

8.1.2 SolarEdge Technologies (USA) Major Business

8.1.3 SolarEdge Technologies (USA) Solar Energy Monitors Product and Services

8.1.4 SolarEdge Technologies (USA) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 SolarEdge Technologies (USA) Recent Developments/Updates

8.1.6 SolarEdge Technologies (USA) Competitive Strengths & Weaknesses

8.2 Enphase Energy (USA)

8.2.1 Enphase Energy (USA) Details

8.2.2 Enphase Energy (USA) Major Business

8.2.3 Enphase Energy (USA) Solar Energy Monitors Product and Services

8.2.4 Enphase Energy (USA) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 Enphase Energy (USA) Recent Developments/Updates

8.2.6 Enphase Energy (USA) Competitive Strengths & Weaknesses

8.3 Huawei Technologies (China)

8.3.1 Huawei Technologies (China) Details

- 8.3.2 Huawei Technologies (China) Major Business
- 8.3.3 Huawei Technologies (China) Solar Energy Monitors Product and Services
- 8.3.4 Huawei Technologies (China) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.3.5 Huawei Technologies (China) Recent Developments/Updates
- 8.3.6 Huawei Technologies (China) Competitive Strengths & Weaknesses
- 8.4 Tigo Energy (USA)
  - 8.4.1 Tigo Energy (USA) Details
  - 8.4.2 Tigo Energy (USA) Major Business
  - 8.4.3 Tigo Energy (USA) Solar Energy Monitors Product and Services
  - 8.4.4 Tigo Energy (USA) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.4.5 Tigo Energy (USA) Recent Developments/Updates
  - 8.4.6 Tigo Energy (USA) Competitive Strengths & Weaknesses
- 8.5 Sungrow Power Supply Co., Ltd. (China)
  - 8.5.1 Sungrow Power Supply Co., Ltd. (China) Details
  - 8.5.2 Sungrow Power Supply Co., Ltd. (China) Major Business
  - 8.5.3 Sungrow Power Supply Co., Ltd. (China) Solar Energy Monitors Product and Services
  - 8.5.4 Sungrow Power Supply Co., Ltd. (China) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.5.5 Sungrow Power Supply Co., Ltd. (China) Recent Developments/Updates
  - 8.5.6 Sungrow Power Supply Co., Ltd. (China) Competitive Strengths & Weaknesses
- 8.6 SMA Solar Technology (Germany)
  - 8.6.1 SMA Solar Technology (Germany) Details
  - 8.6.2 SMA Solar Technology (Germany) Major Business
  - 8.6.3 SMA Solar Technology (Germany) Solar Energy Monitors Product and Services
  - 8.6.4 SMA Solar Technology (Germany) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.6.5 SMA Solar Technology (Germany) Recent Developments/Updates
  - 8.6.6 SMA Solar Technology (Germany) Competitive Strengths & Weaknesses
- 8.7 Trimark Associates (USA)
  - 8.7.1 Trimark Associates (USA) Details
  - 8.7.2 Trimark Associates (USA) Major Business
  - 8.7.3 Trimark Associates (USA) Solar Energy Monitors Product and Services
  - 8.7.4 Trimark Associates (USA) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.7.5 Trimark Associates (USA) Recent Developments/Updates
  - 8.7.6 Trimark Associates (USA) Competitive Strengths & Weaknesses

## 8.8 Solargis (Czech Republic)

8.8.1 Solargis (Czech Republic) Details

8.8.2 Solargis (Czech Republic) Major Business

8.8.3 Solargis (Czech Republic) Solar Energy Monitors Product and Services

8.8.4 Solargis (Czech Republic) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Solargis (Czech Republic) Recent Developments/Updates

8.8.6 Solargis (Czech Republic) Competitive Strengths & Weaknesses

## 8.9 AlsoEnergy (USA)

8.9.1 AlsoEnergy (USA) Details

8.9.2 AlsoEnergy (USA) Major Business

8.9.3 AlsoEnergy (USA) Solar Energy Monitors Product and Services

8.9.4 AlsoEnergy (USA) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 AlsoEnergy (USA) Recent Developments/Updates

8.9.6 AlsoEnergy (USA) Competitive Strengths & Weaknesses

## 8.10 Solar?Log (Germany)

8.10.1 Solar?Log (Germany) Details

8.10.2 Solar?Log (Germany) Major Business

8.10.3 Solar?Log (Germany) Solar Energy Monitors Product and Services

8.10.4 Solar?Log (Germany) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.10.5 Solar?Log (Germany) Recent Developments/Updates

8.10.6 Solar?Log (Germany) Competitive Strengths & Weaknesses

## 8.11 ABB (Switzerland)

8.11.1 ABB (Switzerland) Details

8.11.2 ABB (Switzerland) Major Business

8.11.3 ABB (Switzerland) Solar Energy Monitors Product and Services

8.11.4 ABB (Switzerland) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.11.5 ABB (Switzerland) Recent Developments/Updates

8.11.6 ABB (Switzerland) Competitive Strengths & Weaknesses

## 8.12 Fronius International (Austria)

8.12.1 Fronius International (Austria) Details

8.12.2 Fronius International (Austria) Major Business

8.12.3 Fronius International (Austria) Solar Energy Monitors Product and Services

8.12.4 Fronius International (Austria) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.12.5 Fronius International (Austria) Recent Developments/Updates

- 8.12.6 Fronius International (Austria) Competitive Strengths & Weaknesses
- 8.13 Igen Tech / Solarman (China)
  - 8.13.1 Igen Tech / Solarman (China) Details
  - 8.13.2 Igen Tech / Solarman (China) Major Business
  - 8.13.3 Igen Tech / Solarman (China) Solar Energy Monitors Product and Services
  - 8.13.4 Igen Tech / Solarman (China) Solar Energy Monitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.13.5 Igen Tech / Solarman (China) Recent Developments/Updates
  - 8.13.6 Igen Tech / Solarman (China) Competitive Strengths & Weaknesses

## **9 INDUSTRY CHAIN ANALYSIS**

- 9.1 Solar Energy Monitors Industry Chain
- 9.2 Solar Energy Monitors Upstream Analysis
  - 9.2.1 Solar Energy Monitors Core Raw Materials
  - 9.2.2 Main Manufacturers of Solar Energy Monitors Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 Solar Energy Monitors Production Mode
- 9.6 Solar Energy Monitors Procurement Model
- 9.7 Solar Energy Monitors Industry Sales Model and Sales Channels
  - 9.7.1 Solar Energy Monitors Sales Model
  - 9.7.2 Solar Energy Monitors Typical Distributors

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

- 11.1 Methodology
- 11.2 Research Process and Data Source
- 11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

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

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

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

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

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

Table 6. World Solar Energy Monitors Production by Region (2021-2026) & (K Units)

Table 7. World Solar Energy Monitors Production by Region (2027-2032) & (K Units)

Table 8. World Solar Energy Monitors Production Market Share by Region (2021-2026)

Table 9. World Solar Energy Monitors Production Market Share by Region (2027-2032)

Table 10. World Solar Energy Monitors Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Solar Energy Monitors Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Solar Energy Monitors Major Market Trends

Table 13. World Solar Energy Monitors Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Solar Energy Monitors Consumption by Region (2021-2026) & (K Units)

Table 15. World Solar Energy Monitors Consumption Forecast by Region (2027-2032) & (K Units)

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

Table 17. Production Value Market Share of Key Solar Energy Monitors Producers in 2025

Table 18. World Solar Energy Monitors Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Solar Energy Monitors Producers in 2025

Table 20. World Solar Energy Monitors Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Solar Energy Monitors Company Evaluation Quadrant

- Table 22. World Solar Energy Monitors Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Solar Energy Monitors Production Site of Key Manufacturer
- Table 24. Solar Energy Monitors Market: Company Product Type Footprint
- Table 25. Solar Energy Monitors Market: Company Product Application Footprint
- Table 26. Solar Energy Monitors Competitive Factors
- Table 27. Solar Energy Monitors New Entrant and Capacity Expansion Plans
- Table 28. Solar Energy Monitors Mergers & Acquisitions Activity
- Table 29. United States VS China Solar Energy Monitors Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 30. United States VS China Solar Energy Monitors Production Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 31. United States VS China Solar Energy Monitors Consumption Comparison, (2021 & 2025 & 2032) & (K Units)
- Table 32. United States Based Solar Energy Monitors Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Solar Energy Monitors Production Value, (2021-2026) & (USD Million)
- Table 34. United States Based Manufacturers Solar Energy Monitors Production Value Market Share (2021-2026)
- Table 35. United States Based Manufacturers Solar Energy Monitors Production (2021-2026) & (K Units)
- Table 36. United States Based Manufacturers Solar Energy Monitors Production Market Share (2021-2026)
- Table 37. China Based Solar Energy Monitors Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Solar Energy Monitors Production Value, (2021-2026) & (USD Million)
- Table 39. China Based Manufacturers Solar Energy Monitors Production Value Market Share (2021-2026)
- Table 40. China Based Manufacturers Solar Energy Monitors Production, (2021-2026) & (K Units)
- Table 41. China Based Manufacturers Solar Energy Monitors Production Market Share (2021-2026)
- Table 42. Rest of World Based Solar Energy Monitors Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Solar Energy Monitors Production Value, (2021-2026) & (USD Million)
- Table 44. Rest of World Based Manufacturers Solar Energy Monitors Production Value

## Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Solar Energy Monitors Production, (2021-2026) & (K Units)

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

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

Table 48. World Solar Energy Monitors Production by Type (2021-2026) & (K Units)

Table 49. World Solar Energy Monitors Production by Type (2027-2032) & (K Units)

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

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

Table 52. World Solar Energy Monitors Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Solar Energy Monitors Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Solar Energy Monitors Production Value by Deployment Mode, (USD Million), 2021 & 2025 & 2032

Table 55. World Solar Energy Monitors Production by Deployment Mode (2021-2026) & (K Units)

Table 56. World Solar Energy Monitors Production by Deployment Mode (2027-2032) & (K Units)

Table 57. World Solar Energy Monitors Production Value by Deployment Mode (2021-2026) & (USD Million)

Table 58. World Solar Energy Monitors Production Value by Deployment Mode (2027-2032) & (USD Million)

Table 59. World Solar Energy Monitors Average Price by Deployment Mode (2021-2026) & (US\$/Unit)

Table 60. World Solar Energy Monitors Average Price by Deployment Mode (2027-2032) & (US\$/Unit)

Table 61. World Solar Energy Monitors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Solar Energy Monitors Production by Application (2021-2026) & (K Units)

Table 63. World Solar Energy Monitors Production by Application (2027-2032) & (K Units)

Table 64. World Solar Energy Monitors Production Value by Application (2021-2026) & (USD Million)

Table 65. World Solar Energy Monitors Production Value by Application (2027-2032) & (USD Million)

Table 66. World Solar Energy Monitors Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World Solar Energy Monitors Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. SolarEdge Technologies (USA) Basic Information, Manufacturing Base and Competitors

Table 69. SolarEdge Technologies (USA) Major Business

Table 70. SolarEdge Technologies (USA) Solar Energy Monitors Product and Services

Table 71. SolarEdge Technologies (USA) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. SolarEdge Technologies (USA) Recent Developments/Updates

Table 73. SolarEdge Technologies (USA) Competitive Strengths & Weaknesses

Table 74. Enphase Energy (USA) Basic Information, Manufacturing Base and Competitors

Table 75. Enphase Energy (USA) Major Business

Table 76. Enphase Energy (USA) Solar Energy Monitors Product and Services

Table 77. Enphase Energy (USA) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Enphase Energy (USA) Recent Developments/Updates

Table 79. Enphase Energy (USA) Competitive Strengths & Weaknesses

Table 80. Huawei Technologies (China) Basic Information, Manufacturing Base and Competitors

Table 81. Huawei Technologies (China) Major Business

Table 82. Huawei Technologies (China) Solar Energy Monitors Product and Services

Table 83. Huawei Technologies (China) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Huawei Technologies (China) Recent Developments/Updates

Table 85. Huawei Technologies (China) Competitive Strengths & Weaknesses

Table 86. Tigo Energy (USA) Basic Information, Manufacturing Base and Competitors

Table 87. Tigo Energy (USA) Major Business

Table 88. Tigo Energy (USA) Solar Energy Monitors Product and Services

Table 89. Tigo Energy (USA) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 90. Tigo Energy (USA) Recent Developments/Updates
- Table 91. Tigo Energy (USA) Competitive Strengths & Weaknesses
- Table 92. Sungrow Power Supply Co., Ltd. (China) Basic Information, Manufacturing Base and Competitors
- Table 93. Sungrow Power Supply Co., Ltd. (China) Major Business
- Table 94. Sungrow Power Supply Co., Ltd. (China) Solar Energy Monitors Product and Services
- Table 95. Sungrow Power Supply Co., Ltd. (China) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. Sungrow Power Supply Co., Ltd. (China) Recent Developments/Updates
- Table 97. Sungrow Power Supply Co., Ltd. (China) Competitive Strengths & Weaknesses
- Table 98. SMA Solar Technology (Germany) Basic Information, Manufacturing Base and Competitors
- Table 99. SMA Solar Technology (Germany) Major Business
- Table 100. SMA Solar Technology (Germany) Solar Energy Monitors Product and Services
- Table 101. SMA Solar Technology (Germany) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. SMA Solar Technology (Germany) Recent Developments/Updates
- Table 103. SMA Solar Technology (Germany) Competitive Strengths & Weaknesses
- Table 104. Trimark Associates (USA) Basic Information, Manufacturing Base and Competitors
- Table 105. Trimark Associates (USA) Major Business
- Table 106. Trimark Associates (USA) Solar Energy Monitors Product and Services
- Table 107. Trimark Associates (USA) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Trimark Associates (USA) Recent Developments/Updates
- Table 109. Trimark Associates (USA) Competitive Strengths & Weaknesses
- Table 110. Solargis (Czech Republic) Basic Information, Manufacturing Base and Competitors
- Table 111. Solargis (Czech Republic) Major Business
- Table 112. Solargis (Czech Republic) Solar Energy Monitors Product and Services
- Table 113. Solargis (Czech Republic) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 114. Solargis (Czech Republic) Recent Developments/Updates
- Table 115. Solargis (Czech Republic) Competitive Strengths & Weaknesses
- Table 116. AlsoEnergy (USA) Basic Information, Manufacturing Base and Competitors
- Table 117. AlsoEnergy (USA) Major Business
- Table 118. AlsoEnergy (USA) Solar Energy Monitors Product and Services
- Table 119. AlsoEnergy (USA) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. AlsoEnergy (USA) Recent Developments/Updates
- Table 121. AlsoEnergy (USA) Competitive Strengths & Weaknesses
- Table 122. Solar?Log (Germany) Basic Information, Manufacturing Base and Competitors
- Table 123. Solar?Log (Germany) Major Business
- Table 124. Solar?Log (Germany) Solar Energy Monitors Product and Services
- Table 125. Solar?Log (Germany) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Solar?Log (Germany) Recent Developments/Updates
- Table 127. Solar?Log (Germany) Competitive Strengths & Weaknesses
- Table 128. ABB (Switzerland) Basic Information, Manufacturing Base and Competitors
- Table 129. ABB (Switzerland) Major Business
- Table 130. ABB (Switzerland) Solar Energy Monitors Product and Services
- Table 131. ABB (Switzerland) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 132. ABB (Switzerland) Recent Developments/Updates
- Table 133. ABB (Switzerland) Competitive Strengths & Weaknesses
- Table 134. Fronius International (Austria) Basic Information, Manufacturing Base and Competitors
- Table 135. Fronius International (Austria) Major Business
- Table 136. Fronius International (Austria) Solar Energy Monitors Product and Services
- Table 137. Fronius International (Austria) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Fronius International (Austria) Recent Developments/Updates
- Table 139. Fronius International (Austria) Competitive Strengths & Weaknesses
- Table 140. Igen Tech / Solarman (China) Basic Information, Manufacturing Base and Competitors
- Table 141. Igen Tech / Solarman (China) Major Business

Table 142. Igen Tech / Solarman (China) Solar Energy Monitors Product and Services

Table 143. Igen Tech / Solarman (China) Solar Energy Monitors Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Igen Tech / Solarman (China) Recent Developments/Updates

Table 145. Igen Tech / Solarman (China) Competitive Strengths & Weaknesses

Table 146. Global Key Players of Solar Energy Monitors Upstream (Raw Materials)

Table 147. Global Solar Energy Monitors Typical Customers

Table 148. Solar Energy Monitors Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Solar Energy Monitors Picture

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

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

Figure 4. World Solar Energy Monitors Production (2021-2032) & (K Units)

Figure 5. World Solar Energy Monitors Average Price (2021-2032) & (US\$/Unit)

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

Figure 7. World Solar Energy Monitors Production Market Share by Region (2021-2032)

Figure 8. North America Solar Energy Monitors Production (2021-2032) & (K Units)

Figure 9. Europe Solar Energy Monitors Production (2021-2032) & (K Units)

Figure 10. China Solar Energy Monitors Production (2021-2032) & (K Units)

Figure 11. Japan Solar Energy Monitors Production (2021-2032) & (K Units)

Figure 12. Solar Energy Monitors Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 15. World Solar Energy Monitors Consumption Market Share by Region (2021-2032)

Figure 16. United States Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 17. China Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 18. Europe Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 19. Japan Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 20. South Korea Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Solar Energy Monitors Consumption (2021-2032) & (K Units)

Figure 22. India Solar Energy Monitors Consumption (2021-2032) & (K Units)

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

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

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

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

Figure 27. United States VS China: Solar Energy Monitors Production Market Share

Comparison (2021 & 2025 & 2032)

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

Figure 29. United States Based Manufacturers Solar Energy Monitors Production Market Share 2025

Figure 30. China Based Manufacturers Solar Energy Monitors Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Solar Energy Monitors Production Market Share 2025

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

Figure 33. World Solar Energy Monitors Production Value Market Share by Type in 2025

Figure 34. Hardware Monitors (data loggers, smart meters)

Figure 35. Software / Cloud Monitoring Platforms

Figure 36. World Solar Energy Monitors Production Market Share by Type (2021-2032)

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

Figure 38. World Solar Energy Monitors Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Solar Energy Monitors Production Value by Deployment Mode, (USD Million), 2021 & 2025 & 2032

Figure 40. World Solar Energy Monitors Production Value Market Share by Deployment Mode in 2025

Figure 41. On-Premise Systems

Figure 42. Cloud-Based Systems

Figure 43. Hybrid Systems

Figure 44. World Solar Energy Monitors Production Market Share by Deployment Mode (2021-2032)

Figure 45. World Solar Energy Monitors Production Value Market Share by Deployment Mode (2021-2032)

Figure 46. World Solar Energy Monitors Average Price by Deployment Mode (2021-2032) & (US\$/Unit)

Figure 47. World Solar Energy Monitors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 48. World Solar Energy Monitors Production Value Market Share by Application in 2025

Figure 49. Residential

Figure 50. Commercial / Industrial

Figure 51. Utility-Scale / Power Plants

Figure 52. World Solar Energy Monitors Production Market Share by Application (2021-2032)

Figure 53. World Solar Energy Monitors Production Value Market Share by Application (2021-2032)

Figure 54. World Solar Energy Monitors Average Price by Application (2021-2032) & (US\$/Unit)

Figure 55. Solar Energy Monitors Industry Chain

Figure 56. Solar Energy Monitors Procurement Model

Figure 57. Solar Energy Monitors Sales Model

Figure 58. Solar Energy Monitors Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

## I would like to order

Product name: Global Solar Energy Monitors Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G4F81A5E2E19EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4F81A5E2E19EN.html>