

Global Solar Power Monitoring Software Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Solar Power Monitoring Software market size is expected to reach \$ 2796 million by 2032, rising at a market growth of 11.6% CAGR during the forecast period (2026-2032).

Solar Power Monitoring Software is a digital platform that tracks, analyzes, and reports the performance of solar energy systems. It provides real-time data on energy production, system health, efficiency, and alerts for faults or maintenance needs, helping operators optimize energy output and reduce downtime. Basic plans may start from ~USD?10–USD?50 per system/month for residential or small commercial setups.

This report studies the global Solar Power Monitoring Software demand, key companies, and key regions.

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

Highlights and key features of the study

Global Solar Power Monitoring Software total market, 2021-2032, (USD Million)

Global Solar Power Monitoring Software total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Solar Power Monitoring Software total market, key domestic companies, and share, (USD Million)

Global Solar Power Monitoring Software revenue by player, revenue and market share

2021-2026, (USD Million)

Global Solar Power Monitoring Software total market by Type, CAGR, 2021-2032, (USD Million)

Global Solar Power Monitoring Software total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Solar Power Monitoring Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SolarEdge Technologies (NASDAQ: SEDG, USA), Enphase Energy (NASDAQ: ENPH, USA), SMA Solar Technology AG (Frankfurt: S92, Germany), ABB Ltd (SIX: ABBN, Switzerland), Huawei Technologies Co., Ltd. (SSE: 002502, China), SunPower Corporation (NASDAQ: SPWR, USA), AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA), Power Factors, LLC (Private, USA), Solar?Log GmbH (Private, Germany), SenseHawk (Private, USA), 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 Power Monitoring Software market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, 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 Power Monitoring Software Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Solar Power Monitoring Software Market, Segmentation by Type:

Cloud-based Software

On-premises Software

Global Solar Power Monitoring Software Market, Segmentation by Component:

Monitoring Platforms

Data Analytics Tools

Performance Management Modules

Reporting & Visualization Tools

Global Solar Power Monitoring Software Market, Segmentation by Application:

Residential Solar Installations

Commercial & Industrial Solar Farms

Utility-scale Solar Plants

Microgrids & Community Solar Projects

Companies Profiled:

SolarEdge Technologies (NASDAQ: SEDG, USA)

Enphase Energy (NASDAQ: ENPH, USA)

SMA Solar Technology AG (Frankfurt: S92, Germany)

ABB Ltd (SIX: ABBN, Switzerland)

Huawei Technologies Co., Ltd. (SSE: 002502, China)

SunPower Corporation (NASDAQ: SPWR, USA)

AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA)

Power Factors, LLC (Private, USA)

Solar?Log GmbH (Private, Germany)

SenseHawk (Private, USA)

Tigo Energy, Inc. (Private, USA)

Draker (BlueNRGY Group) (Private, Spain)

Alectris (Private, Greece)

Solytic GmbH (Private, Germany)

GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China)

Delta Electronics, Inc. (TPEX: 2308, Taiwan)

Key Questions Answered

1. How big is the global Solar Power Monitoring Software market?
2. What is the demand of the global Solar Power Monitoring Software market?
3. What is the year over year growth of the global Solar Power Monitoring Software market?
4. What is the total value of the global Solar Power Monitoring Software market?

5. Who are the Major Players in the global Solar Power Monitoring Software market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Solar Power Monitoring Software Introduction
- 1.2 World Solar Power Monitoring Software Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Solar Power Monitoring Software Total Market by Region (by Headquarter Location)
 - 1.3.1 World Solar Power Monitoring Software Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.3 China Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.4 Europe Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.5 Japan Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.6 South Korea Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company Solar Power Monitoring Software Revenue (2021-2032)
 - 1.3.8 India Based Company Solar Power Monitoring Software Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Solar Power Monitoring Software Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.2 World Solar Power Monitoring Software Consumption Value by Region
 - 2.2.1 World Solar Power Monitoring Software Consumption Value by Region (2021-2026)
 - 2.2.2 World Solar Power Monitoring Software Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.4 China Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.5 Europe Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.6 Japan Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.7 South Korea Solar Power Monitoring Software Consumption Value (2021-2032)

- 2.8 ASEAN Solar Power Monitoring Software Consumption Value (2021-2032)
- 2.9 India Solar Power Monitoring Software Consumption Value (2021-2032)

3 WORLD SOLAR POWER MONITORING SOFTWARE COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Solar Power Monitoring Software Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global Solar Power Monitoring Software Industry Rank of Major Players
 - 3.2.2 Global Concentration Ratios (CR4) for Solar Power Monitoring Software in 2025
 - 3.2.3 Global Concentration Ratios (CR8) for Solar Power Monitoring Software in 2025
- 3.3 Solar Power Monitoring Software Company Evaluation Quadrant
- 3.4 Solar Power Monitoring Software Market: Overall Company Footprint Analysis
 - 3.4.1 Solar Power Monitoring Software Market: Region Footprint
 - 3.4.2 Solar Power Monitoring Software Market: Company Product Type Footprint
 - 3.4.3 Solar Power Monitoring Software Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: Solar Power Monitoring Software Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: Solar Power Monitoring Software Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: Solar Power Monitoring Software Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Solar Power Monitoring Software Consumption Value Comparison
 - 4.2.1 United States VS China: Solar Power Monitoring Software Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Solar Power Monitoring Software Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based Solar Power Monitoring Software Companies and Market Share, 2021-2026

- 4.3.1 United States Based Solar Power Monitoring Software Companies, Headquarters (States, Country)
- 4.3.2 United States Based Companies Solar Power Monitoring Software Revenue, (2021-2026)
- 4.4 China Based Companies Solar Power Monitoring Software Revenue and Market Share, 2021-2026
 - 4.4.1 China Based Solar Power Monitoring Software Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies Solar Power Monitoring Software Revenue, (2021-2026)
- 4.5 Rest of World Based Solar Power Monitoring Software Companies and Market Share, 2021-2026
 - 4.5.1 Rest of World Based Solar Power Monitoring Software Companies, Headquarters (Province, Country)
 - 4.5.2 Rest of World Based Companies Solar Power Monitoring Software Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

- 5.1 World Solar Power Monitoring Software Market Size Overview by Type: 2021 VS 2025 VS 2032
- 5.2 Segment Introduction by Type
 - 5.2.1 Cloud-based Software
 - 5.2.2 On-premises Software
- 5.3 Market Segment by Type
 - 5.3.1 World Solar Power Monitoring Software Market Size by Type (2021-2026)
 - 5.3.2 World Solar Power Monitoring Software Market Size by Type (2027-2032)
 - 5.3.3 World Solar Power Monitoring Software Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY COMPONENT

- 6.1 World Solar Power Monitoring Software Market Size Overview by Component: 2021 VS 2025 VS 2032
- 6.2 Segment Introduction by Component
 - 6.2.1 Monitoring Platforms
 - 6.2.2 Data Analytics Tools
 - 6.2.3 Performance Management Modules
 - 6.2.4 Reporting & Visualization Tools

6.3 Market Segment by Component

6.3.1 World Solar Power Monitoring Software Market Size by Component (2021-2026)

6.3.2 World Solar Power Monitoring Software Market Size by Component (2027-2032)

6.3.3 World Solar Power Monitoring Software Market Size Market Share by Component (2027-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Solar Power Monitoring Software Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Residential Solar Installations

7.2.2 Commercial & Industrial Solar Farms

7.2.3 Utility-scale Solar Plants

7.2.4 Microgrids & Community Solar Projects

7.3 Market Segment by Application

7.3.1 World Solar Power Monitoring Software Market Size by Application (2021-2026)

7.3.2 World Solar Power Monitoring Software Market Size by Application (2027-2032)

7.3.3 World Solar Power Monitoring Software Market Size Market Share by Application (2021-2032)

8 COMPANY PROFILES

8.1 SolarEdge Technologies (NASDAQ: SEDG, USA)

8.1.1 SolarEdge Technologies (NASDAQ: SEDG, USA) Details

8.1.2 SolarEdge Technologies (NASDAQ: SEDG, USA) Major Business

8.1.3 SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Product and Services

8.1.4 SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.1.5 SolarEdge Technologies (NASDAQ: SEDG, USA) Recent Developments/Updates

8.1.6 SolarEdge Technologies (NASDAQ: SEDG, USA) Competitive Strengths & Weaknesses

8.2 Enphase Energy (NASDAQ: ENPH, USA)

8.2.1 Enphase Energy (NASDAQ: ENPH, USA) Details

8.2.2 Enphase Energy (NASDAQ: ENPH, USA) Major Business

8.2.3 Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Product and Services

- 8.2.4 Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
- 8.2.5 Enphase Energy (NASDAQ: ENPH, USA) Recent Developments/Updates
- 8.2.6 Enphase Energy (NASDAQ: ENPH, USA) Competitive Strengths & Weaknesses
- 8.3 SMA Solar Technology AG (Frankfurt: S92, Germany)
 - 8.3.1 SMA Solar Technology AG (Frankfurt: S92, Germany) Details
 - 8.3.2 SMA Solar Technology AG (Frankfurt: S92, Germany) Major Business
 - 8.3.3 SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Product and Services
 - 8.3.4 SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 8.3.5 SMA Solar Technology AG (Frankfurt: S92, Germany) Recent Developments/Updates
 - 8.3.6 SMA Solar Technology AG (Frankfurt: S92, Germany) Competitive Strengths & Weaknesses
- 8.4 ABB Ltd (SIX: ABBN, Switzerland)
 - 8.4.1 ABB Ltd (SIX: ABBN, Switzerland) Details
 - 8.4.2 ABB Ltd (SIX: ABBN, Switzerland) Major Business
 - 8.4.3 ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Product and Services
 - 8.4.4 ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 8.4.5 ABB Ltd (SIX: ABBN, Switzerland) Recent Developments/Updates
 - 8.4.6 ABB Ltd (SIX: ABBN, Switzerland) Competitive Strengths & Weaknesses
- 8.5 Huawei Technologies Co., Ltd. (SSE: 002502, China)
 - 8.5.1 Huawei Technologies Co., Ltd. (SSE: 002502, China) Details
 - 8.5.2 Huawei Technologies Co., Ltd. (SSE: 002502, China) Major Business
 - 8.5.3 Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Product and Services
 - 8.5.4 Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 8.5.5 Huawei Technologies Co., Ltd. (SSE: 002502, China) Recent Developments/Updates
 - 8.5.6 Huawei Technologies Co., Ltd. (SSE: 002502, China) Competitive Strengths & Weaknesses
- 8.6 SunPower Corporation (NASDAQ: SPWR, USA)
 - 8.6.1 SunPower Corporation (NASDAQ: SPWR, USA) Details
 - 8.6.2 SunPower Corporation (NASDAQ: SPWR, USA) Major Business
 - 8.6.3 SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring

Software Product and Services

8.6.4 SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.6.5 SunPower Corporation (NASDAQ: SPWR, USA) Recent Developments/Updates

8.6.6 SunPower Corporation (NASDAQ: SPWR, USA) Competitive Strengths & Weaknesses

8.7 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA)

8.7.1 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Details

8.7.2 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Major Business

8.7.3 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Product and Services

8.7.4 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.7.5 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Recent Developments/Updates

8.7.6 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Competitive Strengths & Weaknesses

8.8 Power Factors, LLC (Private, USA)

8.8.1 Power Factors, LLC (Private, USA) Details

8.8.2 Power Factors, LLC (Private, USA) Major Business

8.8.3 Power Factors, LLC (Private, USA) Solar Power Monitoring Software Product and Services

8.8.4 Power Factors, LLC (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.8.5 Power Factors, LLC (Private, USA) Recent Developments/Updates

8.8.6 Power Factors, LLC (Private, USA) Competitive Strengths & Weaknesses

8.9 Solar?Log GmbH (Private, Germany)

8.9.1 Solar?Log GmbH (Private, Germany) Details

8.9.2 Solar?Log GmbH (Private, Germany) Major Business

8.9.3 Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Product and Services

8.9.4 Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.9.5 Solar?Log GmbH (Private, Germany) Recent Developments/Updates

8.9.6 Solar?Log GmbH (Private, Germany) Competitive Strengths & Weaknesses

8.10 SenseHawk (Private, USA)

8.10.1 SenseHawk (Private, USA) Details

8.10.2 SenseHawk (Private, USA) Major Business

8.10.3 SenseHawk (Private, USA) Solar Power Monitoring Software Product and Services

8.10.4 SenseHawk (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.10.5 SenseHawk (Private, USA) Recent Developments/Updates

8.10.6 SenseHawk (Private, USA) Competitive Strengths & Weaknesses

8.11 Tigo Energy, Inc. (Private, USA)

8.11.1 Tigo Energy, Inc. (Private, USA) Details

8.11.2 Tigo Energy, Inc. (Private, USA) Major Business

8.11.3 Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Product and Services

8.11.4 Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.11.5 Tigo Energy, Inc. (Private, USA) Recent Developments/Updates

8.11.6 Tigo Energy, Inc. (Private, USA) Competitive Strengths & Weaknesses

8.12 Draker (BlueNRGY Group) (Private, Spain)

8.12.1 Draker (BlueNRGY Group) (Private, Spain) Details

8.12.2 Draker (BlueNRGY Group) (Private, Spain) Major Business

8.12.3 Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Product and Services

8.12.4 Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.12.5 Draker (BlueNRGY Group) (Private, Spain) Recent Developments/Updates

8.12.6 Draker (BlueNRGY Group) (Private, Spain) Competitive Strengths & Weaknesses

8.13 Alectris (Private, Greece)

8.13.1 Alectris (Private, Greece) Details

8.13.2 Alectris (Private, Greece) Major Business

8.13.3 Alectris (Private, Greece) Solar Power Monitoring Software Product and Services

8.13.4 Alectris (Private, Greece) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

8.13.5 Alectris (Private, Greece) Recent Developments/Updates

8.13.6 Alectris (Private, Greece) Competitive Strengths & Weaknesses

8.14 Solytic GmbH (Private, Germany)

8.14.1 Solytic GmbH (Private, Germany) Details

8.14.2 Solytic GmbH (Private, Germany) Major Business

8.14.3 Solytic GmbH (Private, Germany) Solar Power Monitoring Software Product and Services

8.14.4 Solytic GmbH (Private, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

- 8.14.5 Solytic GmbH (Private, Germany) Recent Developments/Updates
- 8.14.6 Solytic GmbH (Private, Germany) Competitive Strengths & Weaknesses
- 8.15 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China)
 - 8.15.1 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Details
 - 8.15.2 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Major Business
 - 8.15.3 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Product and Services
 - 8.15.4 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 8.15.5 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Recent Developments/Updates
 - 8.15.6 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Competitive Strengths & Weaknesses
- 8.16 Delta Electronics, Inc. (TPEX: 2308, Taiwan)
 - 8.16.1 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Details
 - 8.16.2 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Major Business
 - 8.16.3 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Product and Services
 - 8.16.4 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 8.16.5 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Recent Developments/Updates
 - 8.16.6 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Solar Power Monitoring Software Industry Chain
- 9.2 Solar Power Monitoring Software Upstream Analysis
- 9.3 Solar Power Monitoring Software Midstream Analysis
- 9.4 Solar Power Monitoring Software Downstream Analysis

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 Power Monitoring Software Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)
- Table 2. World Solar Power Monitoring Software Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)
- Table 3. World Solar Power Monitoring Software Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)
- Table 4. World Solar Power Monitoring Software Revenue Market Share by Region (2021-2026), (by Headquarter Location)
- Table 5. World Solar Power Monitoring Software Revenue Market Share by Region (2027-2032), (by Headquarter Location)
- Table 6. Major Market Trends
- Table 7. World Solar Power Monitoring Software Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)
- Table 8. World Solar Power Monitoring Software Consumption Value by Region (2021-2026) & (USD Million)
- Table 9. World Solar Power Monitoring Software Consumption Value Forecast by Region (2027-2032) & (USD Million)
- Table 10. World Solar Power Monitoring Software Revenue by Player (2021-2026) & (USD Million)
- Table 11. Revenue Market Share of Key Solar Power Monitoring Software Players in 2025
- Table 12. World Solar Power Monitoring Software Industry Rank of Major Player, Based on Revenue in 2025
- Table 13. Global Solar Power Monitoring Software Company Evaluation Quadrant
- Table 14. Head Office of Key Solar Power Monitoring Software Players
- Table 15. Solar Power Monitoring Software Market: Company Product Type Footprint
- Table 16. Solar Power Monitoring Software Market: Company Product Application Footprint
- Table 17. Solar Power Monitoring Software Mergers & Acquisitions Activity
- Table 18. United States VS China Solar Power Monitoring Software Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 19. United States VS China Solar Power Monitoring Software Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 20. United States Based Solar Power Monitoring Software Companies, Headquarters (States, Country)

Table 21. United States Based Companies Solar Power Monitoring Software Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Solar Power Monitoring Software Revenue Market Share (2021-2026)

Table 23. China Based Solar Power Monitoring Software Companies, Headquarters (Province, Country)

Table 24. China Based Companies Solar Power Monitoring Software Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Solar Power Monitoring Software Revenue Market Share (2021-2026)

Table 26. Rest of World Based Solar Power Monitoring Software Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Solar Power Monitoring Software Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Solar Power Monitoring Software Revenue Market Share (2021-2026)

Table 29. World Solar Power Monitoring Software Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Solar Power Monitoring Software Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Solar Power Monitoring Software Market Size by Type (2027-2032) & (USD Million)

Table 32. World Solar Power Monitoring Software Market Size by Component, (USD Million), 2021 & 2025 & 2032

Table 33. World Solar Power Monitoring Software Market Size Value by Component (2021-2026) & (USD Million)

Table 34. World Solar Power Monitoring Software Market Size by Component (2027-2032) & (USD Million)

Table 35. World Solar Power Monitoring Software Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 36. World Solar Power Monitoring Software Market Size by Application (2021-2026) & (USD Million)

Table 37. World Solar Power Monitoring Software Market Size by Application (2027-2032) & (USD Million)

Table 38. SolarEdge Technologies (NASDAQ: SEDG, USA) Basic Information, Manufacturing Base and Competitors

Table 39. SolarEdge Technologies (NASDAQ: SEDG, USA) Major Business

Table 40. SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Product and Services

Table 41. SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 42. SolarEdge Technologies (NASDAQ: SEDG, USA) Recent Developments/Updates

Table 43. SolarEdge Technologies (NASDAQ: SEDG, USA) Competitive Strengths & Weaknesses

Table 44. Enphase Energy (NASDAQ: ENPH, USA) Basic Information, Manufacturing Base and Competitors

Table 45. Enphase Energy (NASDAQ: ENPH, USA) Major Business

Table 46. Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Product and Services

Table 47. Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 48. Enphase Energy (NASDAQ: ENPH, USA) Recent Developments/Updates

Table 49. Enphase Energy (NASDAQ: ENPH, USA) Competitive Strengths & Weaknesses

Table 50. SMA Solar Technology AG (Frankfurt: S92, Germany) Basic Information, Manufacturing Base and Competitors

Table 51. SMA Solar Technology AG (Frankfurt: S92, Germany) Major Business

Table 52. SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Product and Services

Table 53. SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 54. SMA Solar Technology AG (Frankfurt: S92, Germany) Recent Developments/Updates

Table 55. SMA Solar Technology AG (Frankfurt: S92, Germany) Competitive Strengths & Weaknesses

Table 56. ABB Ltd (SIX: ABBN, Switzerland) Basic Information, Manufacturing Base and Competitors

Table 57. ABB Ltd (SIX: ABBN, Switzerland) Major Business

Table 58. ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Product and Services

Table 59. ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 60. ABB Ltd (SIX: ABBN, Switzerland) Recent Developments/Updates

Table 61. ABB Ltd (SIX: ABBN, Switzerland) Competitive Strengths & Weaknesses

Table 62. Huawei Technologies Co., Ltd. (SSE: 002502, China) Basic Information, Manufacturing Base and Competitors

- Table 63. Huawei Technologies Co., Ltd. (SSE: 002502, China) Major Business
- Table 64. Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Product and Services
- Table 65. Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 66. Huawei Technologies Co., Ltd. (SSE: 002502, China) Recent Developments/Updates
- Table 67. Huawei Technologies Co., Ltd. (SSE: 002502, China) Competitive Strengths & Weaknesses
- Table 68. SunPower Corporation (NASDAQ: SPWR, USA) Basic Information, Manufacturing Base and Competitors
- Table 69. SunPower Corporation (NASDAQ: SPWR, USA) Major Business
- Table 70. SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Product and Services
- Table 71. SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 72. SunPower Corporation (NASDAQ: SPWR, USA) Recent Developments/Updates
- Table 73. SunPower Corporation (NASDAQ: SPWR, USA) Competitive Strengths & Weaknesses
- Table 74. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Basic Information, Manufacturing Base and Competitors
- Table 75. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Major Business
- Table 76. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Product and Services
- Table 77. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 78. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Recent Developments/Updates
- Table 79. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Competitive Strengths & Weaknesses
- Table 80. Power Factors, LLC (Private, USA) Basic Information, Manufacturing Base and Competitors
- Table 81. Power Factors, LLC (Private, USA) Major Business
- Table 82. Power Factors, LLC (Private, USA) Solar Power Monitoring Software Product and Services
- Table 83. Power Factors, LLC (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 84. Power Factors, LLC (Private, USA) Recent Developments/Updates
- Table 85. Power Factors, LLC (Private, USA) Competitive Strengths & Weaknesses

- Table 86. Solar?Log GmbH (Private, Germany) Basic Information, Manufacturing Base and Competitors
- Table 87. Solar?Log GmbH (Private, Germany) Major Business
- Table 88. Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Product and Services
- Table 89. Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 90. Solar?Log GmbH (Private, Germany) Recent Developments/Updates
- Table 91. Solar?Log GmbH (Private, Germany) Competitive Strengths & Weaknesses
- Table 92. SenseHawk (Private, USA) Basic Information, Manufacturing Base and Competitors
- Table 93. SenseHawk (Private, USA) Major Business
- Table 94. SenseHawk (Private, USA) Solar Power Monitoring Software Product and Services
- Table 95. SenseHawk (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 96. SenseHawk (Private, USA) Recent Developments/Updates
- Table 97. SenseHawk (Private, USA) Competitive Strengths & Weaknesses
- Table 98. Tigo Energy, Inc. (Private, USA) Basic Information, Manufacturing Base and Competitors
- Table 99. Tigo Energy, Inc. (Private, USA) Major Business
- Table 100. Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Product and Services
- Table 101. Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 102. Tigo Energy, Inc. (Private, USA) Recent Developments/Updates
- Table 103. Tigo Energy, Inc. (Private, USA) Competitive Strengths & Weaknesses
- Table 104. Draker (BlueNRGY Group) (Private, Spain) Basic Information, Manufacturing Base and Competitors
- Table 105. Draker (BlueNRGY Group) (Private, Spain) Major Business
- Table 106. Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Product and Services
- Table 107. Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 108. Draker (BlueNRGY Group) (Private, Spain) Recent Developments/Updates
- Table 109. Draker (BlueNRGY Group) (Private, Spain) Competitive Strengths & Weaknesses
- Table 110. Alectris (Private, Greece) Basic Information, Manufacturing Base and Competitors

- Table 111. Alectris (Private, Greece) Major Business
- Table 112. Alectris (Private, Greece) Solar Power Monitoring Software Product and Services
- Table 113. Alectris (Private, Greece) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 114. Alectris (Private, Greece) Recent Developments/Updates
- Table 115. Alectris (Private, Greece) Competitive Strengths & Weaknesses
- Table 116. Solytic GmbH (Private, Germany) Basic Information, Manufacturing Base and Competitors
- Table 117. Solytic GmbH (Private, Germany) Major Business
- Table 118. Solytic GmbH (Private, Germany) Solar Power Monitoring Software Product and Services
- Table 119. Solytic GmbH (Private, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 120. Solytic GmbH (Private, Germany) Recent Developments/Updates
- Table 121. Solytic GmbH (Private, Germany) Competitive Strengths & Weaknesses
- Table 122. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Basic Information, Manufacturing Base and Competitors
- Table 123. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Major Business
- Table 124. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Product and Services
- Table 125. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 126. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Recent Developments/Updates
- Table 127. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Competitive Strengths & Weaknesses
- Table 128. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Basic Information, Manufacturing Base and Competitors
- Table 129. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Major Business
- Table 130. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Product and Services
- Table 131. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 132. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Recent Developments/Updates
- Table 133. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Competitive Strengths & Weaknesses

Table 134. Global Key Players of Solar Power Monitoring Software Upstream (Raw Materials)

Table 135. Global Solar Power Monitoring Software Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Solar Power Monitoring Software Picture

Figure 2. World Solar Power Monitoring Software Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Solar Power Monitoring Software Total Revenue (2021-2032) & (USD Million)

Figure 4. World Solar Power Monitoring Software Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Solar Power Monitoring Software Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Solar Power Monitoring Software Revenue (2021-2032) & (USD Million)

Figure 13. Solar Power Monitoring Software Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 16. World Solar Power Monitoring Software Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 18. China Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 23. India Solar Power Monitoring Software Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Solar Power Monitoring Software by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Solar Power Monitoring Software Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Solar Power Monitoring Software Markets in 2025

Figure 27. United States VS China: Solar Power Monitoring Software Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Solar Power Monitoring Software Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Solar Power Monitoring Software Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Solar Power Monitoring Software Market Size Market Share by Type in 2025

Figure 31. Cloud-based Software

Figure 32. On-premises Software

Figure 33. World Solar Power Monitoring Software Market Size Market Share by Type (2021-2032)

Figure 34. World Solar Power Monitoring Software Market Size by Component, (USD Million), 2021 & 2025 & 2032

Figure 35. World Solar Power Monitoring Software Market Size Market Share by Component in 2025

Figure 36. Monitoring Platforms

Figure 37. Data Analytics Tools

Figure 38. Performance Management Modules

Figure 39. Reporting & Visualization Tools

Figure 40. World Solar Power Monitoring Software Market Size Market Share by Component (2021-2032)

Figure 41. World Solar Power Monitoring Software Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 42. World Solar Power Monitoring Software Market Size Market Share by

Application in 2025

Figure 43. Residential Solar Installations

Figure 44. Commercial & Industrial Solar Farms

Figure 45. Utility-scale Solar Plants

Figure 46. Microgrids & Community Solar Projects

Figure 47. World Solar Power Monitoring Software Market Size Market Share by Application (2021-2032)

Figure 48. Solar Power Monitoring Software Industrial Chain

Figure 49. Methodology

Figure 50. Research Process and Data Source

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