

Global Solar Power Monitoring Software Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Solar Power Monitoring Software market size is predicted to grow from US\$ 1228 million in 2025 to US\$ 2764 million in 2032; it is expected to grow at a CAGR of 12.3% from 2026 to 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.

United States market for Solar Power Monitoring Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Solar Power Monitoring Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Solar Power Monitoring Software is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Solar Power Monitoring Software players cover 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), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the "Solar Power Monitoring Software

Industry Forecast” looks at past sales and reviews total world Solar Power Monitoring Software sales in 2025, providing a comprehensive analysis by region and market sector of projected Solar Power Monitoring Software sales for 2026 through 2032. With Solar Power Monitoring Software sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Solar Power Monitoring Software industry.

This Insight Report provides a comprehensive analysis of the global Solar Power Monitoring Software landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Solar Power Monitoring Software portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Solar Power Monitoring Software market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Solar Power Monitoring Software and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Solar Power Monitoring Software.

This report presents a comprehensive overview, market shares, and growth opportunities of Solar Power Monitoring Software market by product type, application, key players and key regions and countries.

Segmentation by Type:

Cloud-based Software

On-premises Software

Segmentation by Component:

Monitoring Platforms

Data Analytics Tools

Performance Management Modules

Reporting & Visualization Tools

Segmentation by Application:

Residential Solar Installations

Commercial & Industrial Solar Farms

Utility-scale Solar Plants

Microgrids & Community Solar Projects

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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)

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Solar Power Monitoring Software Market Size (2021-2032)

- 2.1.2 Solar Power Monitoring Software Market Size CAGR by Region (2021 VS 2025 VS 2032)

- 2.1.3 World Current & Future Analysis for Solar Power Monitoring Software by Country/Region (2021, 2025 & 2032)

2.2 Solar Power Monitoring Software Segment by Type

- 2.2.1 Cloud-based Software

- 2.2.2 On-premises Software

- 2.2.3 Solar Power Monitoring Software Market Size by Type

- 2.2.3.1 Solar Power Monitoring Software Market Size CAGR by Type (2021 VS 2025 VS 2032)

- 2.2.3.2 Global Solar Power Monitoring Software Market Size Market Share by Type (2021-2026)

2.3 Solar Power Monitoring Software Segment by Component

- 2.3.1 Monitoring Platforms

- 2.3.2 Data Analytics Tools

- 2.3.3 Performance Management Modules

- 2.3.4 Reporting & Visualization Tools

- 2.3.5 Solar Power Monitoring Software Market Size by Component

- 2.3.5.1 Solar Power Monitoring Software Market Size CAGR by Component (2021 VS 2025 VS 2032)

- 2.3.5.2 Global Solar Power Monitoring Software Market Size Market Share by Component (2021-2026)

2.4 Solar Power Monitoring Software Segment by Application

2.4.1 Residential Solar Installations

2.4.2 Commercial & Industrial Solar Farms

2.4.3 Utility-scale Solar Plants

2.4.4 Microgrids & Community Solar Projects

2.4.5 Solar Power Monitoring Software Market Size by Application

2.4.5.1 Solar Power Monitoring Software Market Size CAGR by Application (2021 VS 2025 VS 2032)

2.4.5.2 Global Solar Power Monitoring Software Market Size Market Share by Application (2021-2026)

3 SOLAR POWER MONITORING SOFTWARE MARKET SIZE BY PLAYER

3.1 Solar Power Monitoring Software Market Size Market Share by Player

3.1.1 Global Solar Power Monitoring Software Revenue by Player (2021-2026)

3.1.2 Global Solar Power Monitoring Software Revenue Market Share by Player (2021-2026)

3.2 Global Solar Power Monitoring Software Key Players Head office and Products Offered

3.3 Market Concentration Rate Analysis

3.3.1 Competition Landscape Analysis

3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

4 SOLAR POWER MONITORING SOFTWARE BY REGION

4.1 Solar Power Monitoring Software Market Size by Region (2021-2026)

4.2 Global Solar Power Monitoring Software Annual Revenue by Country/Region (2021-2026)

4.3 Americas Solar Power Monitoring Software Market Size Growth (2021-2026)

4.4 APAC Solar Power Monitoring Software Market Size Growth (2021-2026)

4.5 Europe Solar Power Monitoring Software Market Size Growth (2021-2026)

4.6 Middle East & Africa Solar Power Monitoring Software Market Size Growth (2021-2026)

5 AMERICAS

5.1 Americas Solar Power Monitoring Software Market Size by Country (2021-2026)

- 5.2 Americas Solar Power Monitoring Software Market Size by Type (2021-2026)
- 5.3 Americas Solar Power Monitoring Software Market Size by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Solar Power Monitoring Software Market Size by Region (2021-2026)
- 6.2 APAC Solar Power Monitoring Software Market Size by Type (2021-2026)
- 6.3 APAC Solar Power Monitoring Software Market Size by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

7 EUROPE

- 7.1 Europe Solar Power Monitoring Software Market Size by Country (2021-2026)
- 7.2 Europe Solar Power Monitoring Software Market Size by Type (2021-2026)
- 7.3 Europe Solar Power Monitoring Software Market Size by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Solar Power Monitoring Software by Region (2021-2026)
- 8.2 Middle East & Africa Solar Power Monitoring Software Market Size by Type (2021-2026)
- 8.3 Middle East & Africa Solar Power Monitoring Software Market Size by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 GLOBAL SOLAR POWER MONITORING SOFTWARE MARKET FORECAST

10.1 Global Solar Power Monitoring Software Forecast by Region (2027-2032)

10.1.1 Global Solar Power Monitoring Software Forecast by Region (2027-2032)

10.1.2 Americas Solar Power Monitoring Software Forecast

10.1.3 APAC Solar Power Monitoring Software Forecast

10.1.4 Europe Solar Power Monitoring Software Forecast

10.1.5 Middle East & Africa Solar Power Monitoring Software Forecast

10.2 Americas Solar Power Monitoring Software Forecast by Country (2027-2032)

10.2.1 United States Market Solar Power Monitoring Software Forecast

10.2.2 Canada Market Solar Power Monitoring Software Forecast

10.2.3 Mexico Market Solar Power Monitoring Software Forecast

10.2.4 Brazil Market Solar Power Monitoring Software Forecast

10.3 APAC Solar Power Monitoring Software Forecast by Region (2027-2032)

10.3.1 China Solar Power Monitoring Software Market Forecast

10.3.2 Japan Market Solar Power Monitoring Software Forecast

10.3.3 Korea Market Solar Power Monitoring Software Forecast

10.3.4 Southeast Asia Market Solar Power Monitoring Software Forecast

10.3.5 India Market Solar Power Monitoring Software Forecast

10.3.6 Australia Market Solar Power Monitoring Software Forecast

10.4 Europe Solar Power Monitoring Software Forecast by Country (2027-2032)

10.4.1 Germany Market Solar Power Monitoring Software Forecast

10.4.2 France Market Solar Power Monitoring Software Forecast

10.4.3 UK Market Solar Power Monitoring Software Forecast

10.4.4 Italy Market Solar Power Monitoring Software Forecast

10.4.5 Russia Market Solar Power Monitoring Software Forecast

10.5 Middle East & Africa Solar Power Monitoring Software Forecast by Region (2027-2032)

10.5.1 Egypt Market Solar Power Monitoring Software Forecast

- 10.5.2 South Africa Market Solar Power Monitoring Software Forecast
- 10.5.3 Israel Market Solar Power Monitoring Software Forecast
- 10.5.4 Turkey Market Solar Power Monitoring Software Forecast
- 10.6 Global Solar Power Monitoring Software Forecast by Type (2027-2032)
- 10.7 Global Solar Power Monitoring Software Forecast by Application (2027-2032)
 - 10.7.1 GCC Countries Market Solar Power Monitoring Software Forecast

11 KEY PLAYERS ANALYSIS

- 11.1 SolarEdge Technologies (NASDAQ: SEDG, USA)
 - 11.1.1 SolarEdge Technologies (NASDAQ: SEDG, USA) Company Information
 - 11.1.2 SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Product Offered
 - 11.1.3 SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.1.4 SolarEdge Technologies (NASDAQ: SEDG, USA) Main Business Overview
 - 11.1.5 SolarEdge Technologies (NASDAQ: SEDG, USA) Latest Developments
- 11.2 Enphase Energy (NASDAQ: ENPH, USA)
 - 11.2.1 Enphase Energy (NASDAQ: ENPH, USA) Company Information
 - 11.2.2 Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Product Offered
 - 11.2.3 Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.2.4 Enphase Energy (NASDAQ: ENPH, USA) Main Business Overview
 - 11.2.5 Enphase Energy (NASDAQ: ENPH, USA) Latest Developments
- 11.3 SMA Solar Technology AG (Frankfurt: S92, Germany)
 - 11.3.1 SMA Solar Technology AG (Frankfurt: S92, Germany) Company Information
 - 11.3.2 SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Product Offered
 - 11.3.3 SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.3.4 SMA Solar Technology AG (Frankfurt: S92, Germany) Main Business Overview
 - 11.3.5 SMA Solar Technology AG (Frankfurt: S92, Germany) Latest Developments
- 11.4 ABB Ltd (SIX: ABBN, Switzerland)
 - 11.4.1 ABB Ltd (SIX: ABBN, Switzerland) Company Information
 - 11.4.2 ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Product Offered
 - 11.4.3 ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)

- 11.4.4 ABB Ltd (SIX: ABBN, Switzerland) Main Business Overview
- 11.4.5 ABB Ltd (SIX: ABBN, Switzerland) Latest Developments
- 11.5 Huawei Technologies Co., Ltd. (SSE: 002502, China)
 - 11.5.1 Huawei Technologies Co., Ltd. (SSE: 002502, China) Company Information
 - 11.5.2 Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Product Offered
 - 11.5.3 Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.5.4 Huawei Technologies Co., Ltd. (SSE: 002502, China) Main Business Overview
 - 11.5.5 Huawei Technologies Co., Ltd. (SSE: 002502, China) Latest Developments
- 11.6 SunPower Corporation (NASDAQ: SPWR, USA)
 - 11.6.1 SunPower Corporation (NASDAQ: SPWR, USA) Company Information
 - 11.6.2 SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Product Offered
 - 11.6.3 SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.6.4 SunPower Corporation (NASDAQ: SPWR, USA) Main Business Overview
 - 11.6.5 SunPower Corporation (NASDAQ: SPWR, USA) Latest Developments
- 11.7 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA)
 - 11.7.1 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Company Information
 - 11.7.2 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Product Offered
 - 11.7.3 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.7.4 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Main Business Overview
 - 11.7.5 AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Latest Developments
- 11.8 Power Factors, LLC (Private, USA)
 - 11.8.1 Power Factors, LLC (Private, USA) Company Information
 - 11.8.2 Power Factors, LLC (Private, USA) Solar Power Monitoring Software Product Offered
 - 11.8.3 Power Factors, LLC (Private, USA) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.8.4 Power Factors, LLC (Private, USA) Main Business Overview
 - 11.8.5 Power Factors, LLC (Private, USA) Latest Developments
- 11.9 Solar?Log GmbH (Private, Germany)
 - 11.9.1 Solar?Log GmbH (Private, Germany) Company Information
 - 11.9.2 Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Product Offered
 - 11.9.3 Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software

Revenue, Gross Margin and Market Share (2021-2026)

11.9.4 Solar?Log GmbH (Private, Germany) Main Business Overview

11.9.5 Solar?Log GmbH (Private, Germany) Latest Developments

11.10 SenseHawk (Private, USA)

11.10.1 SenseHawk (Private, USA) Company Information

11.10.2 SenseHawk (Private, USA) Solar Power Monitoring Software Product Offered

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

11.10.4 SenseHawk (Private, USA) Main Business Overview

11.10.5 SenseHawk (Private, USA) Latest Developments

11.11 Tigo Energy, Inc. (Private, USA)

11.11.1 Tigo Energy, Inc. (Private, USA) Company Information

11.11.2 Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Product Offered

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

11.11.4 Tigo Energy, Inc. (Private, USA) Main Business Overview

11.11.5 Tigo Energy, Inc. (Private, USA) Latest Developments

11.12 Draker (BlueNRGY Group) (Private, Spain)

11.12.1 Draker (BlueNRGY Group) (Private, Spain) Company Information

11.12.2 Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Product Offered

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

11.12.4 Draker (BlueNRGY Group) (Private, Spain) Main Business Overview

11.12.5 Draker (BlueNRGY Group) (Private, Spain) Latest Developments

11.13 Alectris (Private, Greece)

11.13.1 Alectris (Private, Greece) Company Information

11.13.2 Alectris (Private, Greece) Solar Power Monitoring Software Product Offered

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

11.13.4 Alectris (Private, Greece) Main Business Overview

11.13.5 Alectris (Private, Greece) Latest Developments

11.14 Solytic GmbH (Private, Germany)

11.14.1 Solytic GmbH (Private, Germany) Company Information

11.14.2 Solytic GmbH (Private, Germany) Solar Power Monitoring Software Product Offered

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

- 11.14.4 Solytic GmbH (Private, Germany) Main Business Overview
- 11.14.5 Solytic GmbH (Private, Germany) Latest Developments
- 11.15 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China)
 - 11.15.1 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Company Information
 - 11.15.2 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Product Offered
 - 11.15.3 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.15.4 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Main Business Overview
 - 11.15.5 GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Latest Developments
- 11.16 Delta Electronics, Inc. (TPEX: 2308, Taiwan)
 - 11.16.1 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Company Information
 - 11.16.2 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Product Offered
 - 11.16.3 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Revenue, Gross Margin and Market Share (2021-2026)
 - 11.16.4 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Main Business Overview
 - 11.16.5 Delta Electronics, Inc. (TPEX: 2308, Taiwan) Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Solar Power Monitoring Software Market Size CAGR by Region (2021 VS 2025 VS 2032) & (\$ millions)

Table 2. Solar Power Monitoring Software Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Cloud-based Software

Table 4. Major Players of On-premises Software

Table 5. Solar Power Monitoring Software Market Size CAGR by Type (2021 VS 2025 VS 2032) & (\$ millions)

Table 6. Global Solar Power Monitoring Software Market Size by Type (2021-2026) & (\$ millions)

Table 7. Global Solar Power Monitoring Software Market Size Market Share by Type (2021-2026)

Table 8. Major Players of Monitoring Platforms

Table 9. Major Players of Data Analytics Tools

Table 10. Major Players of Performance Management Modules

Table 11. Major Players of Reporting & Visualization Tools

Table 12. Solar Power Monitoring Software Market Size CAGR by Component (2021 VS 2025 VS 2032) & (\$ millions)

Table 13. Global Solar Power Monitoring Software Market Size by Component (2021-2026) & (\$ millions)

Table 14. Global Solar Power Monitoring Software Market Size Market Share by Component (2021-2026)

Table 15. Solar Power Monitoring Software Market Size CAGR by Application (2021 VS 2025 VS 2032) & (\$ millions)

Table 16. Global Solar Power Monitoring Software Market Size by Application (2021-2026) & (\$ millions)

Table 17. Global Solar Power Monitoring Software Market Size Market Share by Application (2021-2026)

Table 18. Global Solar Power Monitoring Software Revenue by Player (2021-2026) & (\$ millions)

Table 19. Global Solar Power Monitoring Software Revenue Market Share by Player (2021-2026)

Table 20. Solar Power Monitoring Software Key Players Head office and Products Offered

Table 21. Solar Power Monitoring Software Concentration Ratio (CR3, CR5 and CR10)

& (2024-2026)

Table 22. New Products and Potential Entrants

Table 23. Mergers & Acquisitions, Expansion

Table 24. Global Solar Power Monitoring Software Market Size by Region (2021-2026)
& (\$ millions)

Table 25. Global Solar Power Monitoring Software Market Size Market Share by Region
(2021-2026)

Table 26. Global Solar Power Monitoring Software Revenue by Country/Region
(2021-2026) & (\$ millions)

Table 27. Global Solar Power Monitoring Software Revenue Market Share by
Country/Region (2021-2026)

Table 28. Americas Solar Power Monitoring Software Market Size by Country
(2021-2026) & (\$ millions)

Table 29. Americas Solar Power Monitoring Software Market Size Market Share by
Country (2021-2026)

Table 30. Americas Solar Power Monitoring Software Market Size by Type (2021-2026)
& (\$ millions)

Table 31. Americas Solar Power Monitoring Software Market Size Market Share by
Type (2021-2026)

Table 32. Americas Solar Power Monitoring Software Market Size by Application
(2021-2026) & (\$ millions)

Table 33. Americas Solar Power Monitoring Software Market Size Market Share by
Application (2021-2026)

Table 34. APAC Solar Power Monitoring Software Market Size by Region (2021-2026)
& (\$ millions)

Table 35. APAC Solar Power Monitoring Software Market Size Market Share by Region
(2021-2026)

Table 36. APAC Solar Power Monitoring Software Market Size by Type (2021-2026) &
(\$ millions)

Table 37. APAC Solar Power Monitoring Software Market Size by Application
(2021-2026) & (\$ millions)

Table 38. Europe Solar Power Monitoring Software Market Size by Country (2021-2026)
& (\$ millions)

Table 39. Europe Solar Power Monitoring Software Market Size Market Share by
Country (2021-2026)

Table 40. Europe Solar Power Monitoring Software Market Size by Type (2021-2026) &
(\$ millions)

Table 41. Europe Solar Power Monitoring Software Market Size by Application
(2021-2026) & (\$ millions)

Table 42. Middle East & Africa Solar Power Monitoring Software Market Size by Region (2021-2026) & (\$ millions)

Table 43. Middle East & Africa Solar Power Monitoring Software Market Size by Type (2021-2026) & (\$ millions)

Table 44. Middle East & Africa Solar Power Monitoring Software Market Size by Application (2021-2026) & (\$ millions)

Table 45. Key Market Drivers & Growth Opportunities of Solar Power Monitoring Software

Table 46. Key Market Challenges & Risks of Solar Power Monitoring Software

Table 47. Key Industry Trends of Solar Power Monitoring Software

Table 48. Global Solar Power Monitoring Software Market Size Forecast by Region (2027-2032) & (\$ millions)

Table 49. Global Solar Power Monitoring Software Market Size Market Share Forecast by Region (2027-2032)

Table 50. Global Solar Power Monitoring Software Market Size Forecast by Type (2027-2032) & (\$ millions)

Table 51. Global Solar Power Monitoring Software Market Size Forecast by Application (2027-2032) & (\$ millions)

Table 52. SolarEdge Technologies (NASDAQ: SEDG, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 53. SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Product Offered

Table 54. SolarEdge Technologies (NASDAQ: SEDG, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 55. SolarEdge Technologies (NASDAQ: SEDG, USA) Main Business

Table 56. SolarEdge Technologies (NASDAQ: SEDG, USA) Latest Developments

Table 57. Enphase Energy (NASDAQ: ENPH, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 58. Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Product Offered

Table 59. Enphase Energy (NASDAQ: ENPH, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 60. Enphase Energy (NASDAQ: ENPH, USA) Main Business

Table 61. Enphase Energy (NASDAQ: ENPH, USA) Latest Developments

Table 62. SMA Solar Technology AG (Frankfurt: S92, Germany) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 63. SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power Monitoring Software Product Offered

Table 64. SMA Solar Technology AG (Frankfurt: S92, Germany) Solar Power

Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 65. SMA Solar Technology AG (Frankfurt: S92, Germany) Main Business

Table 66. SMA Solar Technology AG (Frankfurt: S92, Germany) Latest Developments

Table 67. ABB Ltd (SIX: ABBN, Switzerland) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 68. ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Product Offered

Table 69. ABB Ltd (SIX: ABBN, Switzerland) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 70. ABB Ltd (SIX: ABBN, Switzerland) Main Business

Table 71. ABB Ltd (SIX: ABBN, Switzerland) Latest Developments

Table 72. Huawei Technologies Co., Ltd. (SSE: 002502, China) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 73. Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Product Offered

Table 74. Huawei Technologies Co., Ltd. (SSE: 002502, China) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 75. Huawei Technologies Co., Ltd. (SSE: 002502, China) Main Business

Table 76. Huawei Technologies Co., Ltd. (SSE: 002502, China) Latest Developments

Table 77. SunPower Corporation (NASDAQ: SPWR, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 78. SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Product Offered

Table 79. SunPower Corporation (NASDAQ: SPWR, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 80. SunPower Corporation (NASDAQ: SPWR, USA) Main Business

Table 81. SunPower Corporation (NASDAQ: SPWR, USA) Latest Developments

Table 82. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 83. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Product Offered

Table 84. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 85. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Main Business

Table 86. AlsoEnergy (Stem, Inc.) (NYSE: STEM, USA) Latest Developments

Table 87. Power Factors, LLC (Private, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 88. Power Factors, LLC (Private, USA) Solar Power Monitoring Software Product Offered

- Table 89. Power Factors, LLC (Private, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)
- Table 90. Power Factors, LLC (Private, USA) Main Business
- Table 91. Power Factors, LLC (Private, USA) Latest Developments
- Table 92. Solar?Log GmbH (Private, Germany) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors
- Table 93. Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Product Offered
- Table 94. Solar?Log GmbH (Private, Germany) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)
- Table 95. Solar?Log GmbH (Private, Germany) Main Business
- Table 96. Solar?Log GmbH (Private, Germany) Latest Developments
- Table 97. SenseHawk (Private, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors
- Table 98. SenseHawk (Private, USA) Solar Power Monitoring Software Product Offered
- Table 99. SenseHawk (Private, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)
- Table 100. SenseHawk (Private, USA) Main Business
- Table 101. SenseHawk (Private, USA) Latest Developments
- Table 102. Tigo Energy, Inc. (Private, USA) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors
- Table 103. Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Product Offered
- Table 104. Tigo Energy, Inc. (Private, USA) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)
- Table 105. Tigo Energy, Inc. (Private, USA) Main Business
- Table 106. Tigo Energy, Inc. (Private, USA) Latest Developments
- Table 107. Draker (BlueNRGY Group) (Private, Spain) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors
- Table 108. Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Product Offered
- Table 109. Draker (BlueNRGY Group) (Private, Spain) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)
- Table 110. Draker (BlueNRGY Group) (Private, Spain) Main Business
- Table 111. Draker (BlueNRGY Group) (Private, Spain) Latest Developments
- Table 112. Alectris (Private, Greece) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors
- Table 113. Alectris (Private, Greece) Solar Power Monitoring Software Product Offered
- Table 114. Alectris (Private, Greece) Solar Power Monitoring Software Revenue (\$

million), Gross Margin and Market Share (2021-2026)

Table 115. Alectris (Private, Greece) Main Business

Table 116. Alectris (Private, Greece) Latest Developments

Table 117. Solytic GmbH (Private, Germany) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 118. Solytic GmbH (Private, Germany) Solar Power Monitoring Software Product Offered

Table 119. Solytic GmbH (Private, Germany) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 120. Solytic GmbH (Private, Germany) Main Business

Table 121. Solytic GmbH (Private, Germany) Latest Developments

Table 122. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 123. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Product Offered

Table 124. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 125. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Main Business

Table 126. GoodWe (Sungrow affiliate) (SSE: 300274/SSE: 601789, China) Latest Developments

Table 127. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Details, Company Type, Solar Power Monitoring Software Area Served and Its Competitors

Table 128. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Product Offered

Table 129. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Solar Power Monitoring Software Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 130. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Main Business

Table 131. Delta Electronics, Inc. (TPEX: 2308, Taiwan) Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Solar Power Monitoring Software Report Years Considered

Figure 2. Research Objectives

Figure 3. Research Methodology

Figure 4. Research Process and Data Source

Figure 5. Global Solar Power Monitoring Software Market Size Growth Rate (2021-2032) (\$ millions)

Figure 6. Solar Power Monitoring Software Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 7. Solar Power Monitoring Software Sales Market Share by Country/Region (2025)

Figure 8. Solar Power Monitoring Software Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 9. Global Solar Power Monitoring Software Market Size Market Share by Type in 2025

Figure 10. Global Solar Power Monitoring Software Market Size Market Share by Component in 2025

Figure 11. Solar Power Monitoring Software in Residential Solar Installations

Figure 12. Global Solar Power Monitoring Software Market: Residential Solar Installations (2021-2026) & (\$ millions)

Figure 13. Solar Power Monitoring Software in Commercial & Industrial Solar Farms

Figure 14. Global Solar Power Monitoring Software Market: Commercial & Industrial Solar Farms (2021-2026) & (\$ millions)

Figure 15. Solar Power Monitoring Software in Utility-scale Solar Plants

Figure 16. Global Solar Power Monitoring Software Market: Utility-scale Solar Plants (2021-2026) & (\$ millions)

Figure 17. Solar Power Monitoring Software in Microgrids & Community Solar Projects

Figure 18. Global Solar Power Monitoring Software Market: Microgrids & Community Solar Projects (2021-2026) & (\$ millions)

Figure 19. Global Solar Power Monitoring Software Market Size Market Share by Application in 2025

Figure 20. Global Solar Power Monitoring Software Revenue Market Share by Player in 2025

Figure 21. Global Solar Power Monitoring Software Market Size Market Share by Region (2021-2026)

Figure 22. Americas Solar Power Monitoring Software Market Size 2021-2026 (\$

millions)

Figure 23. APAC Solar Power Monitoring Software Market Size 2021-2026 (\$ millions)

Figure 24. Europe Solar Power Monitoring Software Market Size 2021-2026 (\$ millions)

Figure 25. Middle East & Africa Solar Power Monitoring Software Market Size 2021-2026 (\$ millions)

Figure 26. Americas Solar Power Monitoring Software Value Market Share by Country in 2025

Figure 27. United States Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 28. Canada Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 29. Mexico Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 30. Brazil Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 31. APAC Solar Power Monitoring Software Market Size Market Share by Region in 2025

Figure 32. APAC Solar Power Monitoring Software Market Size Market Share by Type (2021-2026)

Figure 33. APAC Solar Power Monitoring Software Market Size Market Share by Application (2021-2026)

Figure 34. China Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 35. Japan Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 36. South Korea Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 37. Southeast Asia Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 38. India Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 39. Australia Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 40. Europe Solar Power Monitoring Software Market Size Market Share by Country in 2025

Figure 41. Europe Solar Power Monitoring Software Market Size Market Share by Type (2021-2026)

Figure 42. Europe Solar Power Monitoring Software Market Size Market Share by Application (2021-2026)

Figure 43. Germany Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 44. France Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 45. UK Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 46. Italy Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 47. Russia Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 48. Middle East & Africa Solar Power Monitoring Software Market Size Market Share by Region (2021-2026)

Figure 49. Middle East & Africa Solar Power Monitoring Software Market Size Market Share by Type (2021-2026)

Figure 50. Middle East & Africa Solar Power Monitoring Software Market Size Market Share by Application (2021-2026)

Figure 51. Egypt Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 52. South Africa Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 53. Israel Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 54. Turkey Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 55. GCC Countries Solar Power Monitoring Software Market Size Growth 2021-2026 (\$ millions)

Figure 56. Americas Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 57. APAC Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 58. Europe Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 59. Middle East & Africa Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 60. United States Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 61. Canada Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 62. Mexico Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 63. Brazil Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 64. China Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 65. Japan Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 66. Korea Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 67. Southeast Asia Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 68. India Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 69. Australia Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 70. Germany Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 71. France Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 72. UK Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 73. Italy Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 74. Russia Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 75. Egypt Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 76. South Africa Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 77. Israel Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 78. Turkey Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

Figure 79. Global Solar Power Monitoring Software Market Size Market Share Forecast by Type (2027-2032)

Figure 80. Global Solar Power Monitoring Software Market Size Market Share Forecast by Application (2027-2032)

Figure 81. GCC Countries Solar Power Monitoring Software Market Size 2027-2032 (\$ millions)

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