

# Global PV Monitoring and Control Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G31E601C110CEN.html>

Date: April 2026

Pages: 101

Price: US\$ 3,480.00 (Single User License)

ID: G31E601C110CEN

## Abstracts

According to our (Global Info Research) latest study, the global PV Monitoring and Control Software market size was valued at US\$ 1354 million in 2025 and is forecast to a readjusted size of US\$ 2930 million by 2032 with a CAGR of 11.6% during review period.

PV Monitoring and Control Software refers to specialized software systems designed to monitor, manage, and optimize the performance of photovoltaic (PV) solar power systems. These platforms collect real-time data from solar panels, inverters, and sensors, providing insights into energy generation, system efficiency, fault detection, and maintenance needs. They often include features like remote monitoring, performance analytics, predictive maintenance, alarm notifications, and integration with energy management systems. The software is used by residential, commercial, and utility-scale solar operators to maximize energy yield, ensure system reliability, and reduce operational costs. Enterprise / utility-scale systems: Large installations often contract multi-year enterprise licenses which can run tens of thousands to hundreds of thousands of USD annually depending on data volume, customization, predictive analytics, and integration with asset management systems.

This report is a detailed and comprehensive analysis for global PV Monitoring and Control Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

**Key Features:**

Global PV Monitoring and Control Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global PV Monitoring and Control Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global PV Monitoring and Control Software market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global PV Monitoring and Control Software market shares of main players, in revenue (\$ Million), 2021-2026

**The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for PV Monitoring and Control Software

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global PV Monitoring and Control 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), SMA Solar Technology AG (ETR: S92, Germany), First Solar, Inc. (NASDAQ: FSLR, USA), ABB Ltd (SIX: ABBN, Switzerland), Huawei Technologies Co., Ltd (Private, China), SunPower Corporation (NASDAQ: SPWR, USA), Tigo Energy (Private, USA), GreenPowerMonitor (DNV, Private, Netherlands), Meteocontrol GmbH (Private, Germany), Power Factors, LLC (Private, USA), etc.

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

Market segmentation

PV Monitoring and Control Software market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and

forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Cloud-Based

On-Premises

#### Market segment by Component

Monitoring Software

Control Software

Analytics & Predictive Maintenance Platforms

#### Market segment by Service Model

Software-as-a-Service (SaaS)

On-Premises / Licensed Software

Hybrid Models

#### Market segment by Application

Power Generation Companies / IPPs

Commercial & Industrial Energy Users

Residential Consumers

Government & Public Sector

Market segment by players, this report covers

SolarEdge Technologies (NASDAQ: SEDG, USA)

SMA Solar Technology AG (ETR: S92, Germany)

First Solar, Inc. (NASDAQ: FSLR, USA)

ABB Ltd (SIX: ABBN, Switzerland)

Huawei Technologies Co., Ltd (Private, China)

SunPower Corporation (NASDAQ: SPWR, USA)

Tigo Energy (Private, USA)

GreenPowerMonitor (DNV, Private, Netherlands)

Meteocontrol GmbH (Private, Germany)

Power Factors, LLC (Private, USA)

SUNGO Energy Technology (Private, China)

Dalian Linshu Electron Co., Ltd (Private, China)

CDS Solar (Private, China)

Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China)

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe PV Monitoring and Control Software product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of PV Monitoring and Control Software, with revenue, gross margin, and global market share of PV Monitoring and Control Software from 2021 to 2026.

Chapter 3, the PV Monitoring and Control Software competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and PV Monitoring and Control Software market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of PV Monitoring and Control Software.

Chapter 13, to describe PV Monitoring and Control Software research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of PV Monitoring and Control Software by Type

1.3.1 Overview: Global PV Monitoring and Control Software Market Size by Type: 2021 Versus 2025 Versus 2032

1.3.2 Global PV Monitoring and Control Software Consumption Value Market Share by Type in 2025

1.3.3 Cloud-Based

1.3.4 On-Premises

1.4 Classification of PV Monitoring and Control Software by Component

1.4.1 Overview: Global PV Monitoring and Control Software Market Size by Component: 2021 Versus 2025 Versus 2032

1.4.2 Global PV Monitoring and Control Software Consumption Value Market Share by Component in 2025

1.4.3 Monitoring Software

1.4.4 Control Software

1.4.5 Analytics & Predictive Maintenance Platforms

1.5 Classification of PV Monitoring and Control Software by Service Model

1.5.1 Overview: Global PV Monitoring and Control Software Market Size by Service Model: 2021 Versus 2025 Versus 2032

1.5.2 Global PV Monitoring and Control Software Consumption Value Market Share by Service Model in 2025

1.5.3 Software-as-a-Service (SaaS)

1.5.4 On-Premises / Licensed Software

1.5.5 Hybrid Models

1.6 Global PV Monitoring and Control Software Market by Application

1.6.1 Overview: Global PV Monitoring and Control Software Market Size by Application: 2021 Versus 2025 Versus 2032

1.6.2 Power Generation Companies / IPPs

1.6.3 Commercial & Industrial Energy Users

1.6.4 Residential Consumers

1.6.5 Government & Public Sector

1.7 Global PV Monitoring and Control Software Market Size & Forecast

1.8 Global PV Monitoring and Control Software Market Size and Forecast by Region

1.8.1 Global PV Monitoring and Control Software Market Size by Region: 2021 VS

## 2025 VS 2032

- 1.8.2 Global PV Monitoring and Control Software Market Size by Region, (2021-2032)
- 1.8.3 North America PV Monitoring and Control Software Market Size and Prospect (2021-2032)
- 1.8.4 Europe PV Monitoring and Control Software Market Size and Prospect (2021-2032)
- 1.8.5 Asia-Pacific PV Monitoring and Control Software Market Size and Prospect (2021-2032)
- 1.8.6 South America PV Monitoring and Control Software Market Size and Prospect (2021-2032)
- 1.8.7 Middle East & Africa PV Monitoring and Control Software Market Size and Prospect (2021-2032)

## 2 COMPANY PROFILES

### 2.1 SolarEdge Technologies (NASDAQ: SEDG, USA)

- 2.1.1 SolarEdge Technologies (NASDAQ: SEDG, USA) Details
- 2.1.2 SolarEdge Technologies (NASDAQ: SEDG, USA) Major Business
- 2.1.3 SolarEdge Technologies (NASDAQ: SEDG, USA) PV Monitoring and Control Software Product and Solutions
- 2.1.4 SolarEdge Technologies (NASDAQ: SEDG, USA) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 SolarEdge Technologies (NASDAQ: SEDG, USA) Recent Developments and Future Plans

### 2.2 SMA Solar Technology AG (ETR: S92, Germany)

- 2.2.1 SMA Solar Technology AG (ETR: S92, Germany) Details
- 2.2.2 SMA Solar Technology AG (ETR: S92, Germany) Major Business
- 2.2.3 SMA Solar Technology AG (ETR: S92, Germany) PV Monitoring and Control Software Product and Solutions
- 2.2.4 SMA Solar Technology AG (ETR: S92, Germany) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)
- 2.2.5 SMA Solar Technology AG (ETR: S92, Germany) Recent Developments and Future Plans

### 2.3 First Solar, Inc. (NASDAQ: FSLR, USA)

- 2.3.1 First Solar, Inc. (NASDAQ: FSLR, USA) Details
- 2.3.2 First Solar, Inc. (NASDAQ: FSLR, USA) Major Business
- 2.3.3 First Solar, Inc. (NASDAQ: FSLR, USA) PV Monitoring and Control Software Product and Solutions
- 2.3.4 First Solar, Inc. (NASDAQ: FSLR, USA) PV Monitoring and Control Software

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

2.3.5 First Solar, Inc. (NASDAQ: FSLR, USA) Recent Developments and Future Plans

## 2.4 ABB Ltd (SIX: ABBN, Switzerland)

2.4.1 ABB Ltd (SIX: ABBN, Switzerland) Details

2.4.2 ABB Ltd (SIX: ABBN, Switzerland) Major Business

2.4.3 ABB Ltd (SIX: ABBN, Switzerland) PV Monitoring and Control Software Product and Solutions

2.4.4 ABB Ltd (SIX: ABBN, Switzerland) PV Monitoring and Control Software

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

2.4.5 ABB Ltd (SIX: ABBN, Switzerland) Recent Developments and Future Plans

## 2.5 Huawei Technologies Co., Ltd (Private, China)

2.5.1 Huawei Technologies Co., Ltd (Private, China) Details

2.5.2 Huawei Technologies Co., Ltd (Private, China) Major Business

2.5.3 Huawei Technologies Co., Ltd (Private, China) PV Monitoring and Control Software Product and Solutions

2.5.4 Huawei Technologies Co., Ltd (Private, China) PV Monitoring and Control

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

2.5.5 Huawei Technologies Co., Ltd (Private, China) Recent Developments and Future Plans

## 2.6 SunPower Corporation (NASDAQ: SPWR, USA)

2.6.1 SunPower Corporation (NASDAQ: SPWR, USA) Details

2.6.2 SunPower Corporation (NASDAQ: SPWR, USA) Major Business

2.6.3 SunPower Corporation (NASDAQ: SPWR, USA) PV Monitoring and Control Software Product and Solutions

2.6.4 SunPower Corporation (NASDAQ: SPWR, USA) PV Monitoring and Control

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

2.6.5 SunPower Corporation (NASDAQ: SPWR, USA) Recent Developments and Future Plans

## 2.7 Tigo Energy (Private, USA)

2.7.1 Tigo Energy (Private, USA) Details

2.7.2 Tigo Energy (Private, USA) Major Business

2.7.3 Tigo Energy (Private, USA) PV Monitoring and Control Software Product and Solutions

2.7.4 Tigo Energy (Private, USA) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Tigo Energy (Private, USA) Recent Developments and Future Plans

## 2.8 GreenPowerMonitor (DNV, Private, Netherlands)

2.8.1 GreenPowerMonitor (DNV, Private, Netherlands) Details

2.8.2 GreenPowerMonitor (DNV, Private, Netherlands) Major Business

2.8.3 GreenPowerMonitor (DNV, Private, Netherlands) PV Monitoring and Control Software Product and Solutions

2.8.4 GreenPowerMonitor (DNV, Private, Netherlands) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 GreenPowerMonitor (DNV, Private, Netherlands) Recent Developments and Future Plans

2.9 Meteocontrol GmbH (Private, Germany)

2.9.1 Meteocontrol GmbH (Private, Germany) Details

2.9.2 Meteocontrol GmbH (Private, Germany) Major Business

2.9.3 Meteocontrol GmbH (Private, Germany) PV Monitoring and Control Software Product and Solutions

2.9.4 Meteocontrol GmbH (Private, Germany) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Meteocontrol GmbH (Private, Germany) Recent Developments and Future Plans

2.10 Power Factors, LLC (Private, USA)

2.10.1 Power Factors, LLC (Private, USA) Details

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

2.10.3 Power Factors, LLC (Private, USA) PV Monitoring and Control Software Product and Solutions

2.10.4 Power Factors, LLC (Private, USA) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Power Factors, LLC (Private, USA) Recent Developments and Future Plans

2.11 SUNGO Energy Technology (Private, China)

2.11.1 SUNGO Energy Technology (Private, China) Details

2.11.2 SUNGO Energy Technology (Private, China) Major Business

2.11.3 SUNGO Energy Technology (Private, China) PV Monitoring and Control Software Product and Solutions

2.11.4 SUNGO Energy Technology (Private, China) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 SUNGO Energy Technology (Private, China) Recent Developments and Future Plans

2.12 Dalian Linshu Electron Co., Ltd (Private, China)

2.12.1 Dalian Linshu Electron Co., Ltd (Private, China) Details

2.12.2 Dalian Linshu Electron Co., Ltd (Private, China) Major Business

2.12.3 Dalian Linshu Electron Co., Ltd (Private, China) PV Monitoring and Control Software Product and Solutions

2.12.4 Dalian Linshu Electron Co., Ltd (Private, China) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Dalian Linshu Electron Co., Ltd (Private, China) Recent Developments and

## Future Plans

### 2.13 CDS Solar (Private, China)

#### 2.13.1 CDS Solar (Private, China) Details

#### 2.13.2 CDS Solar (Private, China) Major Business

#### 2.13.3 CDS Solar (Private, China) PV Monitoring and Control Software Product and Solutions

#### 2.13.4 CDS Solar (Private, China) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

#### 2.13.5 CDS Solar (Private, China) Recent Developments and Future Plans

### 2.14 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China)

#### 2.14.1 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Details

#### 2.14.2 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Major Business

#### Business

#### 2.14.3 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) PV Monitoring and Control Software Product and Solutions

#### 2.14.4 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) PV Monitoring and Control Software Revenue, Gross Margin and Market Share (2021-2026)

#### 2.14.5 Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Recent Developments and Future Plans

## 3 MARKET COMPETITION, BY PLAYERS

### 3.1 Global PV Monitoring and Control Software Revenue and Share by Players (2021-2026)

### 3.2 Market Share Analysis (2025)

#### 3.2.1 Market Share of PV Monitoring and Control Software by Company Revenue

#### 3.2.2 Top 3 PV Monitoring and Control Software Players Market Share in 2025

#### 3.2.3 Top 6 PV Monitoring and Control Software Players Market Share in 2025

### 3.3 PV Monitoring and Control Software Market: Overall Company Footprint Analysis

#### 3.3.1 PV Monitoring and Control Software Market: Region Footprint

#### 3.3.2 PV Monitoring and Control Software Market: Company Product Type Footprint

#### 3.3.3 PV Monitoring and Control Software Market: Company Product Application

#### Footprint

### 3.4 New Market Entrants and Barriers to Market Entry

### 3.5 Mergers, Acquisition, Agreements, and Collaborations

## 4 MARKET SIZE SEGMENT BY TYPE

### 4.1 Global PV Monitoring and Control Software Consumption Value and Market Share

by Type (2021-2026)

4.2 Global PV Monitoring and Control Software Market Forecast by Type (2027-2032)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

5.1 Global PV Monitoring and Control Software Consumption Value Market Share by Application (2021-2026)

5.2 Global PV Monitoring and Control Software Market Forecast by Application (2027-2032)

## **6 NORTH AMERICA**

6.1 North America PV Monitoring and Control Software Consumption Value by Type (2021-2032)

6.2 North America PV Monitoring and Control Software Market Size by Application (2021-2032)

6.3 North America PV Monitoring and Control Software Market Size by Country

6.3.1 North America PV Monitoring and Control Software Consumption Value by Country (2021-2032)

6.3.2 United States PV Monitoring and Control Software Market Size and Forecast (2021-2032)

6.3.3 Canada PV Monitoring and Control Software Market Size and Forecast (2021-2032)

6.3.4 Mexico PV Monitoring and Control Software Market Size and Forecast (2021-2032)

## **7 EUROPE**

7.1 Europe PV Monitoring and Control Software Consumption Value by Type (2021-2032)

7.2 Europe PV Monitoring and Control Software Consumption Value by Application (2021-2032)

7.3 Europe PV Monitoring and Control Software Market Size by Country

7.3.1 Europe PV Monitoring and Control Software Consumption Value by Country (2021-2032)

7.3.2 Germany PV Monitoring and Control Software Market Size and Forecast (2021-2032)

7.3.3 France PV Monitoring and Control Software Market Size and Forecast (2021-2032)

7.3.4 United Kingdom PV Monitoring and Control Software Market Size and Forecast (2021-2032)

7.3.5 Russia PV Monitoring and Control Software Market Size and Forecast (2021-2032)

7.3.6 Italy PV Monitoring and Control Software Market Size and Forecast (2021-2032)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific PV Monitoring and Control Software Consumption Value by Type (2021-2032)

8.2 Asia-Pacific PV Monitoring and Control Software Consumption Value by Application (2021-2032)

8.3 Asia-Pacific PV Monitoring and Control Software Market Size by Region

8.3.1 Asia-Pacific PV Monitoring and Control Software Consumption Value by Region (2021-2032)

8.3.2 China PV Monitoring and Control Software Market Size and Forecast (2021-2032)

8.3.3 Japan PV Monitoring and Control Software Market Size and Forecast (2021-2032)

8.3.4 South Korea PV Monitoring and Control Software Market Size and Forecast (2021-2032)

8.3.5 India PV Monitoring and Control Software Market Size and Forecast (2021-2032)

8.3.6 Southeast Asia PV Monitoring and Control Software Market Size and Forecast (2021-2032)

8.3.7 Australia PV Monitoring and Control Software Market Size and Forecast (2021-2032)

## **9 SOUTH AMERICA**

9.1 South America PV Monitoring and Control Software Consumption Value by Type (2021-2032)

9.2 South America PV Monitoring and Control Software Consumption Value by Application (2021-2032)

9.3 South America PV Monitoring and Control Software Market Size by Country

9.3.1 South America PV Monitoring and Control Software Consumption Value by Country (2021-2032)

9.3.2 Brazil PV Monitoring and Control Software Market Size and Forecast (2021-2032)

9.3.3 Argentina PV Monitoring and Control Software Market Size and Forecast

(2021-2032)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa PV Monitoring and Control Software Consumption Value by Type (2021-2032)

10.2 Middle East & Africa PV Monitoring and Control Software Consumption Value by Application (2021-2032)

10.3 Middle East & Africa PV Monitoring and Control Software Market Size by Country

10.3.1 Middle East & Africa PV Monitoring and Control Software Consumption Value by Country (2021-2032)

10.3.2 Turkey PV Monitoring and Control Software Market Size and Forecast (2021-2032)

10.3.3 Saudi Arabia PV Monitoring and Control Software Market Size and Forecast (2021-2032)

10.3.4 UAE PV Monitoring and Control Software Market Size and Forecast (2021-2032)

## **11 MARKET DYNAMICS**

11.1 PV Monitoring and Control Software Market Drivers

11.2 PV Monitoring and Control Software Market Restraints

11.3 PV Monitoring and Control Software Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

## **12 INDUSTRY CHAIN ANALYSIS**

12.1 PV Monitoring and Control Software Industry Chain

12.2 PV Monitoring and Control Software Upstream Analysis

12.3 PV Monitoring and Control Software Midstream Analysis

12.4 PV Monitoring and Control Software Downstream Analysis

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global PV Monitoring and Control Software Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global PV Monitoring and Control Software Consumption Value by Component, (USD Million), 2021 & 2025 & 2032

Table 3. Global PV Monitoring and Control Software Consumption Value by Service Model, (USD Million), 2021 & 2025 & 2032

Table 4. Global PV Monitoring and Control Software Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global PV Monitoring and Control Software Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global PV Monitoring and Control Software Consumption Value by Region (2027-2032) & (USD Million)

Table 7. SolarEdge Technologies (NASDAQ: SEDG, USA) Company Information, Head Office, and Major Competitors

Table 8. SolarEdge Technologies (NASDAQ: SEDG, USA) Major Business

Table 9. SolarEdge Technologies (NASDAQ: SEDG, USA) PV Monitoring and Control Software Product and Solutions

Table 10. SolarEdge Technologies (NASDAQ: SEDG, USA) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. SolarEdge Technologies (NASDAQ: SEDG, USA) Recent Developments and Future Plans

Table 12. SMA Solar Technology AG (ETR: S92, Germany) Company Information, Head Office, and Major Competitors

Table 13. SMA Solar Technology AG (ETR: S92, Germany) Major Business

Table 14. SMA Solar Technology AG (ETR: S92, Germany) PV Monitoring and Control Software Product and Solutions

Table 15. SMA Solar Technology AG (ETR: S92, Germany) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. SMA Solar Technology AG (ETR: S92, Germany) Recent Developments and Future Plans

Table 17. First Solar, Inc. (NASDAQ: FSLR, USA) Company Information, Head Office, and Major Competitors

Table 18. First Solar, Inc. (NASDAQ: FSLR, USA) Major Business

Table 19. First Solar, Inc. (NASDAQ: FSLR, USA) PV Monitoring and Control Software Product and Solutions

- Table 20. First Solar, Inc. (NASDAQ: FSLR, USA) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 21. ABB Ltd (SIX: ABBN, Switzerland) Company Information, Head Office, and Major Competitors
- Table 22. ABB Ltd (SIX: ABBN, Switzerland) Major Business
- Table 23. ABB Ltd (SIX: ABBN, Switzerland) PV Monitoring and Control Software Product and Solutions
- Table 24. ABB Ltd (SIX: ABBN, Switzerland) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 25. ABB Ltd (SIX: ABBN, Switzerland) Recent Developments and Future Plans
- Table 26. Huawei Technologies Co., Ltd (Private, China) Company Information, Head Office, and Major Competitors
- Table 27. Huawei Technologies Co., Ltd (Private, China) Major Business
- Table 28. Huawei Technologies Co., Ltd (Private, China) PV Monitoring and Control Software Product and Solutions
- Table 29. Huawei Technologies Co., Ltd (Private, China) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 30. Huawei Technologies Co., Ltd (Private, China) Recent Developments and Future Plans
- Table 31. SunPower Corporation (NASDAQ: SPWR, USA) Company Information, Head Office, and Major Competitors
- Table 32. SunPower Corporation (NASDAQ: SPWR, USA) Major Business
- Table 33. SunPower Corporation (NASDAQ: SPWR, USA) PV Monitoring and Control Software Product and Solutions
- Table 34. SunPower Corporation (NASDAQ: SPWR, USA) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 35. SunPower Corporation (NASDAQ: SPWR, USA) Recent Developments and Future Plans
- Table 36. Tigo Energy (Private, USA) Company Information, Head Office, and Major Competitors
- Table 37. Tigo Energy (Private, USA) Major Business
- Table 38. Tigo Energy (Private, USA) PV Monitoring and Control Software Product and Solutions
- Table 39. Tigo Energy (Private, USA) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 40. Tigo Energy (Private, USA) Recent Developments and Future Plans
- Table 41. GreenPowerMonitor (DNV, Private, Netherlands) Company Information, Head Office, and Major Competitors
- Table 42. GreenPowerMonitor (DNV, Private, Netherlands) Major Business

Table 43. GreenPowerMonitor (DNV, Private, Netherlands) PV Monitoring and Control Software Product and Solutions

Table 44. GreenPowerMonitor (DNV, Private, Netherlands) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. GreenPowerMonitor (DNV, Private, Netherlands) Recent Developments and Future Plans

Table 46. Meteocontrol GmbH (Private, Germany) Company Information, Head Office, and Major Competitors

Table 47. Meteocontrol GmbH (Private, Germany) Major Business

Table 48. Meteocontrol GmbH (Private, Germany) PV Monitoring and Control Software Product and Solutions

Table 49. Meteocontrol GmbH (Private, Germany) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Meteocontrol GmbH (Private, Germany) Recent Developments and Future Plans

Table 51. Power Factors, LLC (Private, USA) Company Information, Head Office, and Major Competitors

Table 52. Power Factors, LLC (Private, USA) Major Business

Table 53. Power Factors, LLC (Private, USA) PV Monitoring and Control Software Product and Solutions

Table 54. Power Factors, LLC (Private, USA) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. Power Factors, LLC (Private, USA) Recent Developments and Future Plans

Table 56. SUNGO Energy Technology (Private, China) Company Information, Head Office, and Major Competitors

Table 57. SUNGO Energy Technology (Private, China) Major Business

Table 58. SUNGO Energy Technology (Private, China) PV Monitoring and Control Software Product and Solutions

Table 59. SUNGO Energy Technology (Private, China) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. SUNGO Energy Technology (Private, China) Recent Developments and Future Plans

Table 61. Dalian Linshu Electron Co., Ltd (Private, China) Company Information, Head Office, and Major Competitors

Table 62. Dalian Linshu Electron Co., Ltd (Private, China) Major Business

Table 63. Dalian Linshu Electron Co., Ltd (Private, China) PV Monitoring and Control Software Product and Solutions

Table 64. Dalian Linshu Electron Co., Ltd (Private, China) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 65. Dalian Linshu Electron Co., Ltd (Private, China) Recent Developments and Future Plans
- Table 66. CDS Solar (Private, China) Company Information, Head Office, and Major Competitors
- Table 67. CDS Solar (Private, China) Major Business
- Table 68. CDS Solar (Private, China) PV Monitoring and Control Software Product and Solutions
- Table 69. CDS Solar (Private, China) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 70. CDS Solar (Private, China) Recent Developments and Future Plans
- Table 71. Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Company Information, Head Office, and Major Competitors
- Table 72. Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Major Business
- Table 73. Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) PV Monitoring and Control Software Product and Solutions
- Table 74. Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) PV Monitoring and Control Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 75. Shenzhen Growatt New Energy Co., Ltd (SZSE: 300454, China) Recent Developments and Future Plans
- Table 76. Global PV Monitoring and Control Software Revenue (USD Million) by Players (2021-2026)
- Table 77. Global PV Monitoring and Control Software Revenue Share by Players (2021-2026)
- Table 78. Breakdown of PV Monitoring and Control Software by Company Type (Tier 1, Tier 2, and Tier 3)
- Table 79. Market Position of Players in PV Monitoring and Control Software, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 80. Head Office of Key PV Monitoring and Control Software Players
- Table 81. PV Monitoring and Control Software Market: Company Product Type Footprint
- Table 82. PV Monitoring and Control Software Market: Company Product Application Footprint
- Table 83. PV Monitoring and Control Software New Market Entrants and Barriers to Market Entry
- Table 84. PV Monitoring and Control Software Mergers, Acquisition, Agreements, and Collaborations
- Table 85. Global PV Monitoring and Control Software Consumption Value (USD Million)

by Type (2021-2026)

Table 86. Global PV Monitoring and Control Software Consumption Value Share by Type (2021-2026)

Table 87. Global PV Monitoring and Control Software Consumption Value Forecast by Type (2027-2032)

Table 88. Global PV Monitoring and Control Software Consumption Value by Application (2021-2026)

Table 89. Global PV Monitoring and Control Software Consumption Value Forecast by Application (2027-2032)

Table 90. North America PV Monitoring and Control Software Consumption Value by Type (2021-2026) & (USD Million)

Table 91. North America PV Monitoring and Control Software Consumption Value by Type (2027-2032) & (USD Million)

Table 92. North America PV Monitoring and Control Software Consumption Value by Application (2021-2026) & (USD Million)

Table 93. North America PV Monitoring and Control Software Consumption Value by Application (2027-2032) & (USD Million)

Table 94. North America PV Monitoring and Control Software Consumption Value by Country (2021-2026) & (USD Million)

Table 95. North America PV Monitoring and Control Software Consumption Value by Country (2027-2032) & (USD Million)

Table 96. Europe PV Monitoring and Control Software Consumption Value by Type (2021-2026) & (USD Million)

Table 97. Europe PV Monitoring and Control Software Consumption Value by Type (2027-2032) & (USD Million)

Table 98. Europe PV Monitoring and Control Software Consumption Value by Application (2021-2026) & (USD Million)

Table 99. Europe PV Monitoring and Control Software Consumption Value by Application (2027-2032) & (USD Million)

Table 100. Europe PV Monitoring and Control Software Consumption Value by Country (2021-2026) & (USD Million)

Table 101. Europe PV Monitoring and Control Software Consumption Value by Country (2027-2032) & (USD Million)

Table 102. Asia-Pacific PV Monitoring and Control Software Consumption Value by Type (2021-2026) & (USD Million)

Table 103. Asia-Pacific PV Monitoring and Control Software Consumption Value by Type (2027-2032) & (USD Million)

Table 104. Asia-Pacific PV Monitoring and Control Software Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Asia-Pacific PV Monitoring and Control Software Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Asia-Pacific PV Monitoring and Control Software Consumption Value by Region (2021-2026) & (USD Million)

Table 107. Asia-Pacific PV Monitoring and Control Software Consumption Value by Region (2027-2032) & (USD Million)

Table 108. South America PV Monitoring and Control Software Consumption Value by Type (2021-2026) & (USD Million)

Table 109. South America PV Monitoring and Control Software Consumption Value by Type (2027-2032) & (USD Million)

Table 110. South America PV Monitoring and Control Software Consumption Value by Application (2021-2026) & (USD Million)

Table 111. South America PV Monitoring and Control Software Consumption Value by Application (2027-2032) & (USD Million)

Table 112. South America PV Monitoring and Control Software Consumption Value by Country (2021-2026) & (USD Million)

Table 113. South America PV Monitoring and Control Software Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Middle East & Africa PV Monitoring and Control Software Consumption Value by Type (2021-2026) & (USD Million)

Table 115. Middle East & Africa PV Monitoring and Control Software Consumption Value by Type (2027-2032) & (USD Million)

Table 116. Middle East & Africa PV Monitoring and Control Software Consumption Value by Application (2021-2026) & (USD Million)

Table 117. Middle East & Africa PV Monitoring and Control Software Consumption Value by Application (2027-2032) & (USD Million)

Table 118. Middle East & Africa PV Monitoring and Control Software Consumption Value by Country (2021-2026) & (USD Million)

Table 119. Middle East & Africa PV Monitoring and Control Software Consumption Value by Country (2027-2032) & (USD Million)

Table 120. Global Key Players of PV Monitoring and Control Software Upstream (Raw Materials)

Table 121. Global PV Monitoring and Control Software Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. PV Monitoring and Control Software Picture
- Figure 2. Global PV Monitoring and Control Software Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global PV Monitoring and Control Software Consumption Value Market Share by Type in 2025
- Figure 4. Cloud-Based
- Figure 5. On-Premises
- Figure 6. Global PV Monitoring and Control Software Consumption Value by Component, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global PV Monitoring and Control Software Consumption Value Market Share by Component in 2025
- Figure 8. Monitoring Software
- Figure 9. Control Software
- Figure 10. Analytics & Predictive Maintenance Platforms
- Figure 11. Global PV Monitoring and Control Software Consumption Value by Service Model, (USD Million), 2021 & 2025 & 2032
- Figure 12. Global PV Monitoring and Control Software Consumption Value Market Share by Service Model in 2025
- Figure 13. Software-as-a-Service (SaaS)
- Figure 14. On-Premises / Licensed Software
- Figure 15. Hybrid Models
- Figure 16. Global PV Monitoring and Control Software Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 17. PV Monitoring and Control Software Consumption Value Market Share by Application in 2025
- Figure 18. Power Generation Companies / IPPs Picture
- Figure 19. Commercial & Industrial Energy Users Picture
- Figure 20. Residential Consumers Picture
- Figure 21. Government & Public Sector Picture
- Figure 22. Global PV Monitoring and Control Software Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 23. Global PV Monitoring and Control Software Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 24. Global Market PV Monitoring and Control Software Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)

Figure 25. Global PV Monitoring and Control Software Consumption Value Market Share by Region (2021-2032)

Figure 26. Global PV Monitoring and Control Software Consumption Value Market Share by Region in 2025

Figure 27. North America PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 28. Europe PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 29. Asia-Pacific PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 30. South America PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 31. Middle East & Africa PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 32. Company Three Recent Developments and Future Plans

Figure 33. Global PV Monitoring and Control Software Revenue Share by Players in 2025

Figure 34. PV Monitoring and Control Software Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025

Figure 35. Market Share of PV Monitoring and Control Software by Player Revenue in 2025

Figure 36. Top 3 PV Monitoring and Control Software Players Market Share in 2025

Figure 37. Top 6 PV Monitoring and Control Software Players Market Share in 2025

Figure 38. Global PV Monitoring and Control Software Consumption Value Share by Type (2021-2026)

Figure 39. Global PV Monitoring and Control Software Market Share Forecast by Type (2027-2032)

Figure 40. Global PV Monitoring and Control Software Consumption Value Share by Application (2021-2026)

Figure 41. Global PV Monitoring and Control Software Market Share Forecast by Application (2027-2032)

Figure 42. North America PV Monitoring and Control Software Consumption Value Market Share by Type (2021-2032)

Figure 43. North America PV Monitoring and Control Software Consumption Value Market Share by Application (2021-2032)

Figure 44. North America PV Monitoring and Control Software Consumption Value Market Share by Country (2021-2032)

Figure 45. United States PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 47. Mexico PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe PV Monitoring and Control Software Consumption Value Market Share by Type (2021-2032)

Figure 49. Europe PV Monitoring and Control Software Consumption Value Market Share by Application (2021-2032)

Figure 50. Europe PV Monitoring and Control Software Consumption Value Market Share by Country (2021-2032)

Figure 51. Germany PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 52. France PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 53. United Kingdom PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 54. Russia PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 55. Italy PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 56. Asia-Pacific PV Monitoring and Control Software Consumption Value Market Share by Type (2021-2032)

Figure 57. Asia-Pacific PV Monitoring and Control Software Consumption Value Market Share by Application (2021-2032)

Figure 58. Asia-Pacific PV Monitoring and Control Software Consumption Value Market Share by Region (2021-2032)

Figure 59. China PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 60. Japan PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 61. South Korea PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 62. India PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 63. Southeast Asia PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 64. Australia PV Monitoring and Control Software Consumption Value (2021-2032) & (USD Million)

Figure 65. South America PV Monitoring and Control Software Consumption Value

Market Share by Type (2021-2032)

Figure 66. South America PV Monitoring and Control Software Consumption Value

Market Share by Application (2021-2032)

Figure 67. South America PV Monitoring and Control Software Consumption Value

Market Share by Country (2021-2032)

Figure 68. Brazil PV Monitoring and Control Software Consumption Value (2021-2032)  
& (USD Million)

Figure 69. Argentina PV Monitoring and Control Software Consumption Value  
(2021-2032) & (USD Million)

Figure 70. Middle East & Africa PV Monitoring and Control Software Consumption  
Value Market Share by Type (2021-2032)

Figure 71. Middle East & Africa PV Monitoring and Control Software Consumption  
Value Market Share by Application (2021-2032)

Figure 72. Middle East & Africa PV Monitoring and Control Software Consumption  
Value Market Share by Country (2021-2032)

Figure 73. Turkey PV Monitoring and Control Software Consumption Value (2021-2032)  
& (USD Million)

Figure 74. Saudi Arabia PV Monitoring and Control Software Consumption Value  
(2021-2032) & (USD Million)

Figure 75. UAE PV Monitoring and Control Software Consumption Value (2021-2032) &  
(USD Million)

Figure 76. PV Monitoring and Control Software Market Drivers

Figure 77. PV Monitoring and Control Software Market Restraints

Figure 78. PV Monitoring and Control Software Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. PV Monitoring and Control Software Industrial Chain

Figure 81. Methodology

Figure 82. Research Process and Data Source

## I would like to order

Product name: Global PV Monitoring and Control Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G31E601C110CEN.html>

Price: US\$ 3,480.00 (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/G31E601C110CEN.html>