

# Global Solar Analytics and Monitoring Solutions Market Growth (Status and Outlook) 2026-2032

<https://marketpublishers.com/r/GB99AA80458AEN.html>

Date: May 2026

Pages: 109

Price: US\$ 3,660.00 (Single User License)

ID: GB99AA80458AEN

## Abstracts

The global Solar Analytics and Monitoring Solutions market size is predicted to grow from US\$ 1523 million in 2025 to US\$ 3426 million in 2032; it is expected to grow at a CAGR of 12.3% from 2026 to 2032.

Solar Analytics and Monitoring Solutions are integrated software and hardware systems designed to track, analyze, and optimize the performance of solar photovoltaic (PV) installations in real time. These solutions collect data from inverters, smart meters, sensors, and weather stations, then process it through cloud-based platforms to provide dashboards, performance reports, fault detection, predictive maintenance alerts, and energy optimization insights. Residential platforms: Many consumer-oriented solutions (e.g., Solar Analytics) offer subscriptions from about \$6-\$10 per month (? \$60-\$95 per year) for basic monitoring dashboards.

United States market for Solar Analytics and Monitoring Solutions 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 Analytics and Monitoring Solutions 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 Analytics and Monitoring Solutions 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 Analytics and Monitoring Solutions players cover SolarEdge Technologies, Inc. (NASDAQ: SEDG, Israel/USA), Enphase Energy, Inc. (NASDAQ:

ENPH, USA), SMA Solar Technology AG (SAX: S92, Germany), ABB Ltd. (NYSE: ABB, Switzerland), Schneider Electric SE (EPA: SU, France), 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 Analytics and Monitoring Solutions Industry Forecast' looks at past sales and reviews total world Solar Analytics and Monitoring Solutions sales in 2025, providing a comprehensive analysis by region and market sector of projected Solar Analytics and Monitoring Solutions sales for 2026 through 2032. With Solar Analytics and Monitoring Solutions sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Solar Analytics and Monitoring Solutions industry.

This Insight Report provides a comprehensive analysis of the global Solar Analytics and Monitoring Solutions 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 Analytics and Monitoring Solutions portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Solar Analytics and Monitoring Solutions market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Solar Analytics and Monitoring Solutions 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 Analytics and Monitoring Solutions.

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

Segmentation by Type:

Cloud-Based (SaaS)

On-Premise

## Hybrid Systems

### Segmentation by Component:

Hardware

Software

Services

### Segmentation by Services:

Installation & Integration

Remote Monitoring Services

Maintenance & Technical Support

Data consulting & Reporting

### Segmentation by Application:

Homeowners

Commercial Building Operators

Solar EPC Companies

Utilities & Grid Operators

Asset Management Firms

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, Inc. (NASDAQ: SEDG, Israel/USA)

Enphase Energy, Inc. (NASDAQ: ENPH, USA)

SMA Solar Technology AG (SAX: S92, Germany)

ABB Ltd. (NYSE: ABB, Switzerland)

Schneider Electric SE (EPA: SU, France)

Siemens AG (ETR: SIE, Germany)

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

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

Tigo Energy, Inc. (NYSE: TYGO, USA)

Growatt New Energy Technology Co., Ltd. (Private, China)

Fronius International GmbH (Private, Austria)

General Electric Company (NYSE: GE, USA)

Meteocontrol GmbH (Private, Germany)

SenseHawk (Sense) (Private, USA)

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