

Global Distributed PV Monitoring System Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GE63BD8E6FF1EN.html>

Date: August 2026

Pages: 162

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

ID: GE63BD8E6FF1EN

Abstracts

The global Distributed PV Monitoring System market size is expected to reach \$ 7242 million by 2032, rising at a market growth of 12.3% CAGR during the forecast period (2026-2032).

Distributed PV Monitoring System refers to a software-and-hardware system used to collect, transmit, visualize, analyze and manage operating data from distributed photovoltaic power plants. The system usually connects inverters, smart meters, optimizers, microinverters, combiner boxes, data loggers, communication gateways and cloud platforms to monitor power generation, inverter status, grid connection, consumption, self-use ratio, fault alarms, device health and revenue performance. In this report, the market mainly includes residential PV monitoring systems, commercial rooftop PV monitoring systems, small distributed ground-mounted PV monitoring systems, inverter vendor cloud platforms, third-party O&M monitoring platforms, PV data loggers, Wi-Fi / 4G / Ethernet communication gateways, mobile apps, owner portals and installer fleet management dashboards. The 2025 average gross margin is 60%. The upstream industry chain includes sensors, smart meters, data loggers, communication chips, Wi-Fi / 4G modules, CT clamps, edge controllers, cloud servers, databases, cybersecurity tools, API interfaces and software development tools. The midstream includes platform development, device integration, inverter protocol adaptation, cloud deployment, data acquisition, alarm rule configuration, mobile app development, dashboard design, AI fault diagnosis, performance ratio analysis, remote O&M and customer support. The downstream includes residential PV owners, commercial rooftop owners, solar installers, EPC companies, inverter manufacturers, distributed PV asset owners, O&M service providers, aggregators, electricity retailers and virtual power plant operators.

Distributed PV monitoring systems are shifting from simple generation display tools to full lifecycle digital O&M platforms. In early residential PV markets, monitoring was often bundled with inverters or microinverters and used mainly by homeowners to check daily generation. As distributed PV portfolios expand, installers, EPCs, asset owners and O&M companies increasingly need multi-site dashboards, fault alarms, inverter-level diagnostics, energy consumption analytics, battery integration, export control, remote parameter configuration, cybersecurity and API connectivity. The market is driven by rapid distributed PV deployment, rising rooftop solar penetration, higher owner expectations for mobile visibility, growing commercial rooftop portfolios, inverter digitalization, module-level electronics, battery-plus-solar systems and virtual power plant participation. However, growth is constrained by free monitoring bundled with inverter hardware, fragmented protocols, cybersecurity concerns, low willingness to pay among residential users, data quality issues and competition between inverter-brand ecosystems and independent O&M platforms. Future competition will focus on cross-brand compatibility, AI fault diagnosis, predictive maintenance, energy storage integration, self-consumption optimization, grid-interactive control, carbon reporting, automated work orders and portfolio-level performance benchmarking.

This report studies the global Distributed PV Monitoring System demand, key companies, and key regions.

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

Highlights and key features of the study

Global Distributed PV Monitoring System total market, 2021-2032, (USD Million)

Global Distributed PV Monitoring System total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Distributed PV Monitoring System total market, key domestic companies, and share, (USD Million)

Global Distributed PV Monitoring System revenue by player, revenue and market share 2021-2026, (USD Million)

Global Distributed PV Monitoring System total market by Type, CAGR, 2021-2032, (USD Million)

Global Distributed PV Monitoring System total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Distributed PV Monitoring System 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 Huawei Digital Power, Sungrow, GoodWe, Ginlong Technologies / Solis, Growatt, AISWEI / Solplanet, Hoymiles, Deye, APsystems, SolarEdge Technologies, 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 Distributed PV Monitoring System 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 Distributed PV Monitoring System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Distributed PV Monitoring System Market, Segmentation by Type:

System

Equipment

Global Distributed PV Monitoring System Market, Segmentation by Deployment Mode:

Cloud-Based Monitoring Platform

Mobile App Monitoring System

Web Portal Monitoring System

Edge Gateway Monitoring System

Global Distributed PV Monitoring System Market, Segmentation by Monitoring Level:

Inverter-Level Monitoring

Module-Level Monitoring

Meter-Level Monitoring

Weather and Irradiance Monitoring

Global Distributed PV Monitoring System Market, Segmentation by Application:

Civilian

Industrial and Commercial

Companies Profiled:

Huawei Digital Power

Sungrow

GoodWe

Ginlong Technologies / Solis

Growatt

AISWEI / Solplanet

Hoymiles

Deye

APsystems

SolarEdge Technologies

Enphase Energy

SMA Solar Technology

Fronius International

Tigo Energy

Power Factors

AlsoEnergy

meteocontrol

GreenPowerMonitor

Kiwigrid

Solar-Log

Fronius Solar.web

SMA Sunny Portal

SolarEdge Monitoring Platform

Enphase Enlighten

Key Questions Answered

1. How big is the global Distributed PV Monitoring System market?
2. What is the demand of the global Distributed PV Monitoring System market?
3. What is the year over year growth of the global Distributed PV Monitoring System market?
4. What is the total value of the global Distributed PV Monitoring System market?
5. Who are the Major Players in the global Distributed PV Monitoring System market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 Distributed PV Monitoring System Introduction

1.2 World Distributed PV Monitoring System Market Size & Forecast (2021 & 2025 & 2032)

1.3 World Distributed PV Monitoring System Total Market by Region (by Headquarter Location)

1.3.1 World Distributed PV Monitoring System Market Size by Region (2021-2032), (by Headquarter Location)

1.3.2 United States Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.3 China Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.4 Europe Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.5 Japan Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.6 South Korea Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.7 ASEAN Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.3.8 India Based Company Distributed PV Monitoring System Revenue (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Distributed PV Monitoring System Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Major Market Trends

2 DEMAND SUMMARY

2.1 World Distributed PV Monitoring System Consumption Value (2021-2032)

2.2 World Distributed PV Monitoring System Consumption Value by Region

2.2.1 World Distributed PV Monitoring System Consumption Value by Region (2021-2026)

2.2.2 World Distributed PV Monitoring System Consumption Value Forecast by Region (2027-2032)

2.3 United States Distributed PV Monitoring System Consumption Value (2021-2032)

2.4 China Distributed PV Monitoring System Consumption Value (2021-2032)

2.5 Europe Distributed PV Monitoring System Consumption Value (2021-2032)

2.6 Japan Distributed PV Monitoring System Consumption Value (2021-2032)

- 2.7 South Korea Distributed PV Monitoring System Consumption Value (2021-2032)
- 2.8 ASEAN Distributed PV Monitoring System Consumption Value (2021-2032)
- 2.9 India Distributed PV Monitoring System Consumption Value (2021-2032)

3 WORLD DISTRIBUTED PV MONITORING SYSTEM COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Distributed PV Monitoring System Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global Distributed PV Monitoring System Industry Rank of Major Players
 - 3.2.2 Global Concentration Ratios (CR4) for Distributed PV Monitoring System in 2025
 - 3.2.3 Global Concentration Ratios (CR8) for Distributed PV Monitoring System in 2025
- 3.3 Distributed PV Monitoring System Company Evaluation Quadrant
- 3.4 Distributed PV Monitoring System Market: Overall Company Footprint Analysis
 - 3.4.1 Distributed PV Monitoring System Market: Region Footprint
 - 3.4.2 Distributed PV Monitoring System Market: Company Product Type Footprint
 - 3.4.3 Distributed PV Monitoring System 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: Distributed PV Monitoring System Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: Distributed PV Monitoring System Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: Distributed PV Monitoring System Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Distributed PV Monitoring System Consumption Value Comparison
 - 4.2.1 United States VS China: Distributed PV Monitoring System Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Distributed PV Monitoring System Consumption Value Market Share Comparison (2021 & 2025 & 2032)

4.3 United States Based Distributed PV Monitoring System Companies and Market Share, 2021-2026

4.3.1 United States Based Distributed PV Monitoring System Companies, Headquarters (States, Country)

4.3.2 United States Based Companies Distributed PV Monitoring System Revenue, (2021-2026)

4.4 China Based Companies Distributed PV Monitoring System Revenue and Market Share, 2021-2026

4.4.1 China Based Distributed PV Monitoring System Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Distributed PV Monitoring System Revenue, (2021-2026)

4.5 Rest of World Based Distributed PV Monitoring System Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Distributed PV Monitoring System Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Distributed PV Monitoring System Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Distributed PV Monitoring System Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 System

5.2.2 Equipment

5.3 Market Segment by Type

5.3.1 World Distributed PV Monitoring System Market Size by Type (2021-2026)

5.3.2 World Distributed PV Monitoring System Market Size by Type (2027-2032)

5.3.3 World Distributed PV Monitoring System Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY DEPLOYMENT MODE

6.1 World Distributed PV Monitoring System Market Size Overview by Deployment Mode: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Deployment Mode

6.2.1 Cloud-Based Monitoring Platform

6.2.2 Mobile App Monitoring System

6.2.3 Web Portal Monitoring System

6.2.4 Edge Gateway Monitoring System

6.3 Market Segment by Deployment Mode

6.3.1 World Distributed PV Monitoring System Market Size by Deployment Mode (2021-2026)

6.3.2 World Distributed PV Monitoring System Market Size by Deployment Mode (2027-2032)

6.3.3 World Distributed PV Monitoring System Market Size Market Share by Deployment Mode (2027-2032)

7 MARKET ANALYSIS BY MONITORING LEVEL

7.1 World Distributed PV Monitoring System Market Size Overview by Monitoring Level: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Monitoring Level

7.2.1 Inverter-Level Monitoring

7.2.2 Module-Level Monitoring

7.2.3 Meter-Level Monitoring

7.2.4 Weather and Irradiance Monitoring

7.3 Market Segment by Monitoring Level

7.3.1 World Distributed PV Monitoring System Market Size by Monitoring Level (2021-2026)

7.3.2 World Distributed PV Monitoring System Market Size by Monitoring Level (2027-2032)

7.3.3 World Distributed PV Monitoring System Market Size Market Share by Monitoring Level (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Distributed PV Monitoring System Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Civilian

8.2.2 Industrial and Commercial

8.3 Market Segment by Application

8.3.1 World Distributed PV Monitoring System Market Size by Application (2021-2026)

8.3.2 World Distributed PV Monitoring System Market Size by Application (2027-2032)

8.3.3 World Distributed PV Monitoring System Market Size Market Share by Application (2021-2032)

9 COMPANY PROFILES

9.1 Huawei Digital Power

9.1.1 Huawei Digital Power Details

9.1.2 Huawei Digital Power Major Business

9.1.3 Huawei Digital Power Distributed PV Monitoring System Product and Services

9.1.4 Huawei Digital Power Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Huawei Digital Power Recent Developments/Updates

9.1.6 Huawei Digital Power Competitive Strengths & Weaknesses

9.2 Sungrow

9.2.1 Sungrow Details

9.2.2 Sungrow Major Business

9.2.3 Sungrow Distributed PV Monitoring System Product and Services

9.2.4 Sungrow Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 Sungrow Recent Developments/Updates

9.2.6 Sungrow Competitive Strengths & Weaknesses

9.3 GoodWe

9.3.1 GoodWe Details

9.3.2 GoodWe Major Business

9.3.3 GoodWe Distributed PV Monitoring System Product and Services

9.3.4 GoodWe Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 GoodWe Recent Developments/Updates

9.3.6 GoodWe Competitive Strengths & Weaknesses

9.4 Ginlong Technologies / Solis

9.4.1 Ginlong Technologies / Solis Details

9.4.2 Ginlong Technologies / Solis Major Business

9.4.3 Ginlong Technologies / Solis Distributed PV Monitoring System Product and Services

9.4.4 Ginlong Technologies / Solis Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.4.5 Ginlong Technologies / Solis Recent Developments/Updates

9.4.6 Ginlong Technologies / Solis Competitive Strengths & Weaknesses

9.5 Growatt

9.5.1 Growatt Details

9.5.2 Growatt Major Business

- 9.5.3 Growatt Distributed PV Monitoring System Product and Services
- 9.5.4 Growatt Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
- 9.5.5 Growatt Recent Developments/Updates
- 9.5.6 Growatt Competitive Strengths & Weaknesses
- 9.6 AISWEI / Solplanet
 - 9.6.1 AISWEI / Solplanet Details
 - 9.6.2 AISWEI / Solplanet Major Business
 - 9.6.3 AISWEI / Solplanet Distributed PV Monitoring System Product and Services
 - 9.6.4 AISWEI / Solplanet Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.6.5 AISWEI / Solplanet Recent Developments/Updates
 - 9.6.6 AISWEI / Solplanet Competitive Strengths & Weaknesses
- 9.7 Hoymiles
 - 9.7.1 Hoymiles Details
 - 9.7.2 Hoymiles Major Business
 - 9.7.3 Hoymiles Distributed PV Monitoring System Product and Services
 - 9.7.4 Hoymiles Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Hoymiles Recent Developments/Updates
 - 9.7.6 Hoymiles Competitive Strengths & Weaknesses
- 9.8 Deye
 - 9.8.1 Deye Details
 - 9.8.2 Deye Major Business
 - 9.8.3 Deye Distributed PV Monitoring System Product and Services
 - 9.8.4 Deye Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Deye Recent Developments/Updates
 - 9.8.6 Deye Competitive Strengths & Weaknesses
- 9.9 APsystems
 - 9.9.1 APsystems Details
 - 9.9.2 APsystems Major Business
 - 9.9.3 APsystems Distributed PV Monitoring System Product and Services
 - 9.9.4 APsystems Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.9.5 APsystems Recent Developments/Updates
 - 9.9.6 APsystems Competitive Strengths & Weaknesses
- 9.10 SolarEdge Technologies
 - 9.10.1 SolarEdge Technologies Details

- 9.10.2 SolarEdge Technologies Major Business
- 9.10.3 SolarEdge Technologies Distributed PV Monitoring System Product and Services
- 9.10.4 SolarEdge Technologies Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
- 9.10.5 SolarEdge Technologies Recent Developments/Updates
- 9.10.6 SolarEdge Technologies Competitive Strengths & Weaknesses
- 9.11 Enphase Energy
 - 9.11.1 Enphase Energy Details
 - 9.11.2 Enphase Energy Major Business
 - 9.11.3 Enphase Energy Distributed PV Monitoring System Product and Services
 - 9.11.4 Enphase Energy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Enphase Energy Recent Developments/Updates
 - 9.11.6 Enphase Energy Competitive Strengths & Weaknesses
- 9.12 SMA Solar Technology
 - 9.12.1 SMA Solar Technology Details
 - 9.12.2 SMA Solar Technology Major Business
 - 9.12.3 SMA Solar Technology Distributed PV Monitoring System Product and Services
 - 9.12.4 SMA Solar Technology Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.12.5 SMA Solar Technology Recent Developments/Updates
 - 9.12.6 SMA Solar Technology Competitive Strengths & Weaknesses
- 9.13 Fronius International
 - 9.13.1 Fronius International Details
 - 9.13.2 Fronius International Major Business
 - 9.13.3 Fronius International Distributed PV Monitoring System Product and Services
 - 9.13.4 Fronius International Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Fronius International Recent Developments/Updates
 - 9.13.6 Fronius International Competitive Strengths & Weaknesses
- 9.14 Tigo Energy
 - 9.14.1 Tigo Energy Details
 - 9.14.2 Tigo Energy Major Business
 - 9.14.3 Tigo Energy Distributed PV Monitoring System Product and Services
 - 9.14.4 Tigo Energy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Tigo Energy Recent Developments/Updates
 - 9.14.6 Tigo Energy Competitive Strengths & Weaknesses

9.15 Power Factors

9.15.1 Power Factors Details

9.15.2 Power Factors Major Business

9.15.3 Power Factors Distributed PV Monitoring System Product and Services

9.15.4 Power Factors Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.15.5 Power Factors Recent Developments/Updates

9.15.6 Power Factors Competitive Strengths & Weaknesses

9.16 AlsoEnergy

9.16.1 AlsoEnergy Details

9.16.2 AlsoEnergy Major Business

9.16.3 AlsoEnergy Distributed PV Monitoring System Product and Services

9.16.4 AlsoEnergy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.16.5 AlsoEnergy Recent Developments/Updates

9.16.6 AlsoEnergy Competitive Strengths & Weaknesses

9.17 meteocontrol

9.17.1 meteocontrol Details

9.17.2 meteocontrol Major Business

9.17.3 meteocontrol Distributed PV Monitoring System Product and Services

9.17.4 meteocontrol Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.17.5 meteocontrol Recent Developments/Updates

9.17.6 meteocontrol Competitive Strengths & Weaknesses

9.18 GreenPowerMonitor

9.18.1 GreenPowerMonitor Details

9.18.2 GreenPowerMonitor Major Business

9.18.3 GreenPowerMonitor Distributed PV Monitoring System Product and Services

9.18.4 GreenPowerMonitor Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.18.5 GreenPowerMonitor Recent Developments/Updates

9.18.6 GreenPowerMonitor Competitive Strengths & Weaknesses

9.19 Kiwigrid

9.19.1 Kiwigrid Details

9.19.2 Kiwigrid Major Business

9.19.3 Kiwigrid Distributed PV Monitoring System Product and Services

9.19.4 Kiwigrid Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)

9.19.5 Kiwigrid Recent Developments/Updates

- 9.19.6 Kiwigrd Competitive Strengths & Weaknesses
- 9.20 Solar-Log
 - 9.20.1 Solar-Log Details
 - 9.20.2 Solar-Log Major Business
 - 9.20.3 Solar-Log Distributed PV Monitoring System Product and Services
 - 9.20.4 Solar-Log Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Solar-Log Recent Developments/Updates
 - 9.20.6 Solar-Log Competitive Strengths & Weaknesses
- 9.21 Fronius Solar.web
 - 9.21.1 Fronius Solar.web Details
 - 9.21.2 Fronius Solar.web Major Business
 - 9.21.3 Fronius Solar.web Distributed PV Monitoring System Product and Services
 - 9.21.4 Fronius Solar.web Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.21.5 Fronius Solar.web Recent Developments/Updates
 - 9.21.6 Fronius Solar.web Competitive Strengths & Weaknesses
- 9.22 SMA Sunny Portal
 - 9.22.1 SMA Sunny Portal Details
 - 9.22.2 SMA Sunny Portal Major Business
 - 9.22.3 SMA Sunny Portal Distributed PV Monitoring System Product and Services
 - 9.22.4 SMA Sunny Portal Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.22.5 SMA Sunny Portal Recent Developments/Updates
 - 9.22.6 SMA Sunny Portal Competitive Strengths & Weaknesses
- 9.23 SolarEdge Monitoring Platform
 - 9.23.1 SolarEdge Monitoring Platform Details
 - 9.23.2 SolarEdge Monitoring Platform Major Business
 - 9.23.3 SolarEdge Monitoring Platform Distributed PV Monitoring System Product and Services
 - 9.23.4 SolarEdge Monitoring Platform Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026)
 - 9.23.5 SolarEdge Monitoring Platform Recent Developments/Updates
 - 9.23.6 SolarEdge Monitoring Platform Competitive Strengths & Weaknesses
- 9.24 Enphase Enlighten
 - 9.24.1 Enphase Enlighten Details
 - 9.24.2 Enphase Enlighten Major Business
 - 9.24.3 Enphase Enlighten Distributed PV Monitoring System Product and Services
 - 9.24.4 Enphase Enlighten Distributed PV Monitoring System Revenue, Gross Margin

and Market Share (2021-2026)

9.24.5 Enphase Enlighten Recent Developments/Updates

9.24.6 Enphase Enlighten Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Distributed PV Monitoring System Industry Chain

10.2 Distributed PV Monitoring System Upstream Analysis

10.3 Distributed PV Monitoring System Midstream Analysis

10.4 Distributed PV Monitoring System Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Distributed PV Monitoring System Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Distributed PV Monitoring System Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Distributed PV Monitoring System Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Distributed PV Monitoring System Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Distributed PV Monitoring System Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Distributed PV Monitoring System Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Distributed PV Monitoring System Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Distributed PV Monitoring System Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Distributed PV Monitoring System Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Distributed PV Monitoring System Players in 2025

Table 12. World Distributed PV Monitoring System Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Distributed PV Monitoring System Company Evaluation Quadrant

Table 14. Head Office of Key Distributed PV Monitoring System Players

Table 15. Distributed PV Monitoring System Market: Company Product Type Footprint

Table 16. Distributed PV Monitoring System Market: Company Product Application Footprint

Table 17. Distributed PV Monitoring System Mergers & Acquisitions Activity

Table 18. United States VS China Distributed PV Monitoring System Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Distributed PV Monitoring System Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Distributed PV Monitoring System Companies, Headquarters (States, Country)

Table 21. United States Based Companies Distributed PV Monitoring System Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Distributed PV Monitoring System Revenue Market Share (2021-2026)

Table 23. China Based Distributed PV Monitoring System Companies, Headquarters (Province, Country)

Table 24. China Based Companies Distributed PV Monitoring System Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Distributed PV Monitoring System Revenue Market Share (2021-2026)

Table 26. Rest of World Based Distributed PV Monitoring System Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Distributed PV Monitoring System Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Distributed PV Monitoring System Revenue Market Share (2021-2026)

Table 29. World Distributed PV Monitoring System Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Distributed PV Monitoring System Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Distributed PV Monitoring System Market Size by Type (2027-2032) & (USD Million)

Table 32. World Distributed PV Monitoring System Market Size by Deployment Mode, (USD Million), 2021 & 2025 & 2032

Table 33. World Distributed PV Monitoring System Market Size Value by Deployment Mode (2021-2026) & (USD Million)

Table 34. World Distributed PV Monitoring System Market Size by Deployment Mode (2027-2032) & (USD Million)

Table 35. World Distributed PV Monitoring System Market Size by Monitoring Level, (USD Million), 2021 & 2025 & 2032

Table 36. World Distributed PV Monitoring System Market Size Value by Monitoring Level (2021-2026) & (USD Million)

Table 37. World Distributed PV Monitoring System Market Size by Monitoring Level (2027-2032) & (USD Million)

Table 38. World Distributed PV Monitoring System Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Distributed PV Monitoring System Market Size by Application (2021-2026) & (USD Million)

Table 40. World Distributed PV Monitoring System Market Size by Application

(2027-2032) & (USD Million)

Table 41. Huawei Digital Power Basic Information, Manufacturing Base and Competitors

Table 42. Huawei Digital Power Major Business

Table 43. Huawei Digital Power Distributed PV Monitoring System Product and Services

Table 44. Huawei Digital Power Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. Huawei Digital Power Recent Developments/Updates

Table 46. Huawei Digital Power Competitive Strengths & Weaknesses

Table 47. Sungrow Basic Information, Manufacturing Base and Competitors

Table 48. Sungrow Major Business

Table 49. Sungrow Distributed PV Monitoring System Product and Services

Table 50. Sungrow Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. Sungrow Recent Developments/Updates

Table 52. Sungrow Competitive Strengths & Weaknesses

Table 53. GoodWe Basic Information, Manufacturing Base and Competitors

Table 54. GoodWe Major Business

Table 55. GoodWe Distributed PV Monitoring System Product and Services

Table 56. GoodWe Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. GoodWe Recent Developments/Updates

Table 58. GoodWe Competitive Strengths & Weaknesses

Table 59. Ginlong Technologies / Solis Basic Information, Manufacturing Base and Competitors

Table 60. Ginlong Technologies / Solis Major Business

Table 61. Ginlong Technologies / Solis Distributed PV Monitoring System Product and Services

Table 62. Ginlong Technologies / Solis Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Ginlong Technologies / Solis Recent Developments/Updates

Table 64. Ginlong Technologies / Solis Competitive Strengths & Weaknesses

Table 65. Growatt Basic Information, Manufacturing Base and Competitors

Table 66. Growatt Major Business

Table 67. Growatt Distributed PV Monitoring System Product and Services

Table 68. Growatt Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Growatt Recent Developments/Updates

Table 70. Growatt Competitive Strengths & Weaknesses

Table 71. AISWEI / Solplanet Basic Information, Manufacturing Base and Competitors

Table 72. AISWEI / Solplanet Major Business

Table 73. AISWEI / Solplanet Distributed PV Monitoring System Product and Services

Table 74. AISWEI / Solplanet Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 75. AISWEI / Solplanet Recent Developments/Updates

Table 76. AISWEI / Solplanet Competitive Strengths & Weaknesses

Table 77. Hoymiles Basic Information, Manufacturing Base and Competitors

Table 78. Hoymiles Major Business

Table 79. Hoymiles Distributed PV Monitoring System Product and Services

Table 80. Hoymiles Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 81. Hoymiles Recent Developments/Updates

Table 82. Hoymiles Competitive Strengths & Weaknesses

Table 83. Deye Basic Information, Manufacturing Base and Competitors

Table 84. Deye Major Business

Table 85. Deye Distributed PV Monitoring System Product and Services

Table 86. Deye Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 87. Deye Recent Developments/Updates

Table 88. Deye Competitive Strengths & Weaknesses

Table 89. APsystems Basic Information, Manufacturing Base and Competitors

Table 90. APsystems Major Business

Table 91. APsystems Distributed PV Monitoring System Product and Services

Table 92. APsystems Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 93. APsystems Recent Developments/Updates

Table 94. APsystems Competitive Strengths & Weaknesses

Table 95. SolarEdge Technologies Basic Information, Manufacturing Base and Competitors

Table 96. SolarEdge Technologies Major Business

Table 97. SolarEdge Technologies Distributed PV Monitoring System Product and Services

Table 98. SolarEdge Technologies Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 99. SolarEdge Technologies Recent Developments/Updates

Table 100. SolarEdge Technologies Competitive Strengths & Weaknesses

Table 101. Enphase Energy Basic Information, Manufacturing Base and Competitors

Table 102. Enphase Energy Major Business

Table 103. Enphase Energy Distributed PV Monitoring System Product and Services
Table 104. Enphase Energy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 105. Enphase Energy Recent Developments/Updates
Table 106. Enphase Energy Competitive Strengths & Weaknesses
Table 107. SMA Solar Technology Basic Information, Manufacturing Base and Competitors
Table 108. SMA Solar Technology Major Business
Table 109. SMA Solar Technology Distributed PV Monitoring System Product and Services
Table 110. SMA Solar Technology Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 111. SMA Solar Technology Recent Developments/Updates
Table 112. SMA Solar Technology Competitive Strengths & Weaknesses
Table 113. Fronius International Basic Information, Manufacturing Base and Competitors
Table 114. Fronius International Major Business
Table 115. Fronius International Distributed PV Monitoring System Product and Services
Table 116. Fronius International Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 117. Fronius International Recent Developments/Updates
Table 118. Fronius International Competitive Strengths & Weaknesses
Table 119. Tigo Energy Basic Information, Manufacturing Base and Competitors
Table 120. Tigo Energy Major Business
Table 121. Tigo Energy Distributed PV Monitoring System Product and Services
Table 122. Tigo Energy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 123. Tigo Energy Recent Developments/Updates
Table 124. Tigo Energy Competitive Strengths & Weaknesses
Table 125. Power Factors Basic Information, Manufacturing Base and Competitors
Table 126. Power Factors Major Business
Table 127. Power Factors Distributed PV Monitoring System Product and Services
Table 128. Power Factors Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 129. Power Factors Recent Developments/Updates
Table 130. Power Factors Competitive Strengths & Weaknesses
Table 131. AlsoEnergy Basic Information, Manufacturing Base and Competitors
Table 132. AlsoEnergy Major Business

Table 133. AlsoEnergy Distributed PV Monitoring System Product and Services
Table 134. AlsoEnergy Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 135. AlsoEnergy Recent Developments/Updates
Table 136. AlsoEnergy Competitive Strengths & Weaknesses
Table 137. meteocontrol Basic Information, Manufacturing Base and Competitors
Table 138. meteocontrol Major Business
Table 139. meteocontrol Distributed PV Monitoring System Product and Services
Table 140. meteocontrol Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 141. meteocontrol Recent Developments/Updates
Table 142. meteocontrol Competitive Strengths & Weaknesses
Table 143. GreenPowerMonitor Basic Information, Manufacturing Base and Competitors
Table 144. GreenPowerMonitor Major Business
Table 145. GreenPowerMonitor Distributed PV Monitoring System Product and Services
Table 146. GreenPowerMonitor Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 147. GreenPowerMonitor Recent Developments/Updates
Table 148. GreenPowerMonitor Competitive Strengths & Weaknesses
Table 149. Kiwigrid Basic Information, Manufacturing Base and Competitors
Table 150. Kiwigrid Major Business
Table 151. Kiwigrid Distributed PV Monitoring System Product and Services
Table 152. Kiwigrid Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 153. Kiwigrid Recent Developments/Updates
Table 154. Kiwigrid Competitive Strengths & Weaknesses
Table 155. Solar-Log Basic Information, Manufacturing Base and Competitors
Table 156. Solar-Log Major Business
Table 157. Solar-Log Distributed PV Monitoring System Product and Services
Table 158. Solar-Log Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 159. Solar-Log Recent Developments/Updates
Table 160. Solar-Log Competitive Strengths & Weaknesses
Table 161. Fronius Solar.web Basic Information, Manufacturing Base and Competitors
Table 162. Fronius Solar.web Major Business
Table 163. Fronius Solar.web Distributed PV Monitoring System Product and Services
Table 164. Fronius Solar.web Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 165. Fronius Solar.web Recent Developments/Updates
Table 166. Fronius Solar.web Competitive Strengths & Weaknesses
Table 167. SMA Sunny Portal Basic Information, Manufacturing Base and Competitors
Table 168. SMA Sunny Portal Major Business
Table 169. SMA Sunny Portal Distributed PV Monitoring System Product and Services
Table 170. SMA Sunny Portal Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 171. SMA Sunny Portal Recent Developments/Updates
Table 172. SMA Sunny Portal Competitive Strengths & Weaknesses
Table 173. SolarEdge Monitoring Platform Basic Information, Manufacturing Base and Competitors
Table 174. SolarEdge Monitoring Platform Major Business
Table 175. SolarEdge Monitoring Platform Distributed PV Monitoring System Product and Services
Table 176. SolarEdge Monitoring Platform Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 177. SolarEdge Monitoring Platform Recent Developments/Updates
Table 178. SolarEdge Monitoring Platform Competitive Strengths & Weaknesses
Table 179. Enphase Enlighten Basic Information, Manufacturing Base and Competitors
Table 180. Enphase Enlighten Major Business
Table 181. Enphase Enlighten Distributed PV Monitoring System Product and Services
Table 182. Enphase Enlighten Distributed PV Monitoring System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 183. Enphase Enlighten Recent Developments/Updates
Table 184. Enphase Enlighten Competitive Strengths & Weaknesses
Table 185. Global Key Players of Distributed PV Monitoring System Upstream (Raw Materials)
Table 186. Global Distributed PV Monitoring System Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Distributed PV Monitoring System Picture

Figure 2. World Distributed PV Monitoring System Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Distributed PV Monitoring System Total Revenue (2021-2032) & (USD Million)

Figure 4. World Distributed PV Monitoring System Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Distributed PV Monitoring System Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Distributed PV Monitoring System Revenue (2021-2032) & (USD Million)

Figure 13. Distributed PV Monitoring System Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 16. World Distributed PV Monitoring System Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 18. China Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 23. India Distributed PV Monitoring System Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Distributed PV Monitoring System by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Distributed PV Monitoring System Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Distributed PV Monitoring System Markets in 2025

Figure 27. United States VS China: Distributed PV Monitoring System Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Distributed PV Monitoring System Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Distributed PV Monitoring System Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Distributed PV Monitoring System Market Size Market Share by Type in 2025

Figure 31. System

Figure 32. Equipment

Figure 33. World Distributed PV Monitoring System Market Size Market Share by Type (2021-2032)

Figure 34. World Distributed PV Monitoring System Market Size by Deployment Mode, (USD Million), 2021 & 2025 & 2032

Figure 35. World Distributed PV Monitoring System Market Size Market Share by Deployment Mode in 2025

Figure 36. Cloud-Based Monitoring Platform

Figure 37. Mobile App Monitoring System

Figure 38. Web Portal Monitoring System

Figure 39. Edge Gateway Monitoring System

Figure 40. World Distributed PV Monitoring System Market Size Market Share by Deployment Mode (2021-2032)

Figure 41. World Distributed PV Monitoring System Market Size by Monitoring Level, (USD Million), 2021 & 2025 & 2032

Figure 42. World Distributed PV Monitoring System Market Size Market Share by

Monitoring Level in 2025

Figure 43. Inverter-Level Monitoring

Figure 44. Module-Level Monitoring

Figure 45. Meter-Level Monitoring

Figure 46. Weather and Irradiance Monitoring

Figure 47. World Distributed PV Monitoring System Market Size Market Share by Monitoring Level (2021-2032)

Figure 48. World Distributed PV Monitoring System Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World Distributed PV Monitoring System Market Size Market Share by Application in 2025

Figure 50. Civilian

Figure 51. Industrial and Commercial

Figure 52. World Distributed PV Monitoring System Market Size Market Share by Application (2021-2032)

Figure 53. Distributed PV Monitoring System Industrial Chain

Figure 54. Methodology

Figure 55. Research Process and Data Source

I would like to order

Product name: Global Distributed PV Monitoring System Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GE63BD8E6FF1EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE63BD8E6FF1EN.html>