

# **Global Solar PV Inverters Market Size study & Forecast, by Type (Central Inverters, String Inverters, and Micro Inverters), by Application (Residential, Commercial, Industrial, and Utility-scale) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/G63DFA76A948EN.html>

Date: November 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G63DFA76A948EN

## **Abstracts**

Global Solar PV Inverters Market is valued at approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XXX% over the forecast period 2022-2029. A solar inverter, also known as a PV inverter, is a type of power inverter that converts a photovoltaic solar panel's variable direct output current into a utility-frequency ac source that can be used by local, off-grid electricity systems or fed into a commercial electricity network. The Solar PV Inverters market is expanding because of factors such as rising pollution concerns, globally and increasing demand for Solar Inverters.

For instance: according to Statista, the average carbon dioxide levels went from 408.72 parts per million, in the year 2018 to 416.45 parts per million, in the year 2021. However, high installation and maintenance costs and lack of awareness regarding the use of inverters in the market may halt market growth. The Solar PV Inverters Market is anticipated to grow further, owing to technological advancements and rapid strategic initiatives by the private players

The key regions considered for the Global Solar PV Inverters Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominated the space in terms of revenue, owing to rising pollution levels. According to New York Times, the pollution levels in India went to 5.5%, in between 2016 to 2018. North America is expected to grow significantly during the forecast period, owing to recent advancements in solar inverters

Major market players included in this report are:

FIMER SpA

Schneider Electric SE

Siemens AG

Mitsubishi Electric Corporation

Omron Corporation

General Electric Company

SMA Solar Technology AG

Delta Energy Systems Inc.

Enphase Energy Inc

SolarEdge Technologies Inc

Recent Developments in the Market:

In January 2022, At the World Future Energy Summit in Abu Dhabi, Sungrow unveiled their brand-new "1+X" central modular inverter with an annual output of 1.1MW. This 1+X modular inverter seems to have a DC/ESS interface for attaching energy storage devices and may be divided into eight components to generate 8.8MW of electricity (ESS).

A solar-plus-storage project in Gujarat, India, with an 18MWh battery energy storage system, received 1 Mega Volt Ampere (MVA) inverter from Fimer Spa, an Italian company that manufactures solar PV inverters, in May 2022. The business provided its converters to the Modhera Integrated Solar Energy Project. Mahindra Susten Pvt., an Indian provider of solar PV engineering, procurement, and construction (EPC) solutions, was the project's developer. Gujarat Power Corporation Limited, the state's utility, granted Ltd. (GPCL).

Global Solar PV Inverters Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Application, and Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to

incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Central Inverters

String Inverters

Micro Inverters

By Application:

Residential

Commercial

Industrial

Utility-scale

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. Solar PV Inverters Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. Solar PV Inverters Market, by Type, 2019-2029 (USD Billion)
  - 1.2.3. Solar PV Inverters Market, by Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL SOLAR PV INVERTERS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL SOLAR PV INVERTERS MARKET DYNAMICS

- 3.1. Solar PV Inverters Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising pollution concerns, globally
    - 3.1.1.2. Increasing demand for the Solar Inverters
  - 3.1.2. Market Challenges
    - 3.1.2.1. High installation and maintenance cost
    - 3.1.2.2. Lack of awareness regarding the use of inverters
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Technological advancements
    - 3.1.3.2. Strategic initiatives by the private players

### CHAPTER 4. GLOBAL SOLAR PV INVERTERS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL SOLAR PV INVERTERS MARKET, BY TYPE**

- 6.1. Market Snapshot
- 6.2. Global Solar PV Inverters Market by Type, Performance - Potential Analysis
- 6.3. Global Solar PV Inverters Market Estimates & Forecasts by Type, 2019-2029 (USD Billion)
- 6.4. Solar PV Inverters Market, Sub Segment Analysis
  - 6.4.1. Central Inverters
  - 6.4.2. String Inverters
  - 6.4.3. Micro Inverters

## **CHAPTER 7. GLOBAL SOLAR PV INVERTERS MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Solar PV Inverters Market by Application, Performance - Potential Analysis
- 7.3. Global Solar PV Inverters Market Estimates & Forecasts by Application, 2019-2029 (USD Billion)
- 7.4. Solar PV Inverters Market, Sub Segment Analysis
  - 7.4.1. Residential

7.4.2. Commercial

7.4.3. Industrial

7.4.4. Utility-scale

## **CHAPTER 8. GLOBAL SOLAR PV INVERTERS MARKET, REGIONAL ANALYSIS**

8.1. Solar PV Inverters Market, Regional Market Snapshot

8.2. North America Solar PV Inverters Market

8.2.1. U.S. Solar PV Inverters Market

8.2.1.1. Type breakdown estimates & forecasts, 2019-2029

8.2.1.2. Application breakdown estimates & forecasts, 2019-2029

8.2.2. Canada Solar PV Inverters Market

8.3. Europe Solar PV Inverters Market Snapshot

8.3.1. U.K. Solar PV Inverters Market

8.3.2. Germany Solar PV Inverters Market

8.3.3. France Solar PV Inverters Market

8.3.4. Spain Solar PV Inverters Market

8.3.5. Italy Solar PV Inverters Market

8.3.6. Rest of Europe Solar PV Inverters Market

8.4. Asia-Pacific Solar PV Inverters Market Snapshot

8.4.1. China Solar PV Inverters Market

8.4.2. India Solar PV Inverters Market

8.4.3. Japan Solar PV Inverters Market

8.4.4. Australia Solar PV Inverters Market

8.4.5. South Korea Solar PV Inverters Market

8.4.6. Rest of Asia Pacific Solar PV Inverters Market

8.5. Latin America Solar PV Inverters Market Snapshot

8.5.1. Brazil Solar PV Inverters Market

8.5.2. Mexico Solar PV Inverters Market

8.6. Rest of The World Solar PV Inverters Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. SolarEdge Technologies Inc

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

- 9.2.1.4. Product Summary
- 9.2.1.5. Recent Developments
- 9.2.2. FIMER SpA
- 9.2.3. Schneider Electric SE
- 9.2.4. Siemens AG
- 9.2.5. Mitsubishi Electric Corporation
- 9.2.6. Omron Corporation
- 9.2.7. General Electric Company
- 9.2.8. SMA Solar Technology AG
- 9.2.9. Delta Energy Systems Inc.
- 9.2.10. Enphase Energy Inc

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Solar PV Inverters Market, report scope

TABLE 2. Global Solar PV Inverters Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Solar PV Inverters Market estimates & forecasts by Type 2019-2029 (USD Billion)

TABLE 4. Global Solar PV Inverters Market estimates & forecasts by Application 2019-2029 (USD Billion)

TABLE 5. Global Solar PV Inverters Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 6. Global Solar PV Inverters Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Solar PV Inverters Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Solar PV Inverters Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Solar PV Inverters Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Solar PV Inverters Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Solar PV Inverters Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Solar PV Inverters Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Solar PV Inverters Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Solar PV Inverters Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. U.S. Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 17. U.S. Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. Canada Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. Canada Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 20. Canada Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 21. UK Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 22. UK Solar PV Inverters Market estimates & forecasts by segment 2019-2029  
(USD Billion)

TABLE 23. UK Solar PV Inverters Market estimates & forecasts by segment 2019-2029  
(USD Billion)

TABLE 24. Germany Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 25. Germany Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 26. Germany Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 27. France Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 28. France Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 29. France Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 30. Italy Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 31. Italy Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 32. Italy Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 33. Spain Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 34. Spain Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 35. Spain Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 36. RoE Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 37. RoE Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 38. RoE Solar PV Inverters Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. China Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC Solar PV Inverters Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 59. Brazil Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 60. Mexico Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 61. Mexico Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 62. Mexico Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 63. RoLA Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 64. RoLA Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 65. RoLA Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 66. Row Solar PV Inverters Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 67. Row Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 68. Row Solar PV Inverters Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Solar PV Inverters  
Market

TABLE 70. List of primary sources, used in the study of global Solar PV Inverters  
Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final  
deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Solar PV Inverters Market, research methodology
  - FIG 2. Global Solar PV Inverters Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Solar PV Inverters Market, key trends 2021
  - FIG 5. Global Solar PV Inverters Market, growth prospects 2022-2029
  - FIG 6. Global Solar PV Inverters Market, porters 5 force model
  - FIG 7. Global Solar PV Inverters Market, pest analysis
  - FIG 8. Global Solar PV Inverters Market, value chain analysis
  - FIG 9. Global Solar PV Inverters Market by segment, 2019 & 2029 (USD Billion)
  - FIG 10. Global Solar PV Inverters Market by segment, 2019 & 2029 (USD Billion)
  - FIG 11. Global Solar PV Inverters Market by segment, 2019 & 2029 (USD Billion)
  - FIG 12. Global Solar PV Inverters Market by segment, 2019 & 2029 (USD Billion)
  - FIG 13. Global Solar PV Inverters Market by segment, 2019 & 2029 (USD Billion)
  - FIG 14. Global Solar PV Inverters Market, regional snapshot 2019 & 2029
  - FIG 15. North America Solar PV Inverters Market 2019 & 2029 (USD Billion)
  - FIG 16. Europe Solar PV Inverters Market 2019 & 2029 (USD Billion)
  - FIG 17. Asia Pacific Solar PV Inverters Market 2019 & 2029 (USD Billion)
  - FIG 18. Latin America Solar PV Inverters Market 2019 & 2029 (USD Billion)
  - FIG 19. Global Solar PV Inverters Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Solar PV Inverters Market Size study & Forecast, by Type (Central Inverters, String Inverters, and Micro Inverters), by Application (Residential, Commercial, Industrial, and Utility-scale) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G63DFA76A948EN.html>

Price: US\$ 4,950.00 (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/G63DFA76A948EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970