

# PV Inverters - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/P5E990541EEEN.html>

Date: April 2019

Pages: 128

Price: US\$ 4,150.00 (Single User License)

ID: P5E990541EEEN

## Abstracts

According to Statistics MRC, the PV Inverters is accounted for \$7.32 billion in 2017 and is expected to reach \$11.26 billion by 2026 growing at a CAGR of 4.9% during the forecast period. One of the major driving factors for this market is growing solar photovoltaic industry. Additionally, the growing demand for energy coupled with regulatory framework that supports clean energy are also driving the market for PV inverters market. However, substitute clean energy technologies such as hydropower are holding back the market in some regions. With the technological development in solar photovoltaic market, PV inverter market is expected to face boom in demand.

A solar inverter or PV inverter is a type of electrical converter which converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into a utility frequency alternating current (AC) that can be fed into a commercial electrical grid or used by a local, off-grid electrical network.

Based on nominal output power, 300 W is estimated to have highest growth during the forecast period. 300 W photovoltaic inverter market share is predicted to witness robust growth on account of their deployment favoured by lowering product costs across small-scale solar PV applications. Improving unit efficiencies along with increasing inclination towards operational flexibility will augment the product demand. Furthermore, the growing demand for cost-efficient and cost-effective PV installations in line with increasing off-grid deployment will complement the business outlook. By geography, The U.S. photovoltaic inverter market is anticipated to witness overall industry growth market over the forecast period. Favourable regulatory measures pertaining to energy conservation and positive consumer outlook towards the deployment of sustainable energy will nourish the overall industry growth in North America region.

Some of the key players profiled in the PV inverter market include ABB, Delta Electronics Inc, Eaton, Emerson Electric Co, Hitachi Hi-Rel Power Electronics Pvt Ltd,

Omron Corporation, Power Electronics, Siemens AG, SMA Solar Technology AG and SunPower Corporation.

Products Covered:

Central PV inverter

Micro PV inverter

String PV inverter

Other PV inverter

Types Covered:

Parallel

Separate

Connectivities Covered:

Standalone

On-Grid

Off-grid

Battery Backup Inverter

Nominal Output Powers Covered:

33,000 - 110,000 W

> 110,000 W

3,000 - 33,000 W

? 300 W

300 -3,000 W

#### Nominal Output Voltages Covered:

> 600 V

400 - 600 V

? 230 V

230 - 400 V

#### Power Classes Covered:

Three Phase

Single Phase

#### Sales Channels Covered:

Direct Channel

Indirect Channel

PV Inverter Customers

Distribution Channel

#### End Users Covered:

Residential

Utility

Industrial

Commercial

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

#### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

##### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

##### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

##### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY PRODUCT**

- 5.1 Introduction
- 5.2 Central PV inverter
  - 5.2.1 Transformer Based
  - 5.2.2 Transformer Less
- 5.3 Micro PV inverter
- 5.4 String PV inverter
- 5.5 Other PV inverter

## **6 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY TYPE**

- 6.1 Introduction
- 6.2 Parallel
- 6.3 Separate

## **7 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY CONNECTIVITY**

- 7.1 Introduction
- 7.2 Standalone
- 7.3 On-Grid
- 7.4 Off-grid
- 7.5 Battery Backup Inverter

## **8 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY NOMINAL OUTPUT POWER**

- 8.1 Introduction
- 8.2 33,000 - 110,000 W
- 8.3 > 110,000 W
- 8.4 3,000 - 33,000 W
- 8.5 ? 300 W
- 8.6 300 -3,000 W

## **9 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY NOMINAL OUTPUT VOLTAGE**

- 9.1 Introduction
- 9.2 > 600 V



9.3 400 - 600 V

9.4 ? 230 V

9.5 230 - 400 V

## **10 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY POWER CLASS**

10.1 Introduction

10.2 Three Phase

10.2.1 High Power (>99kW)

10.2.2 Low Power (?99 kW)

10.3 Single Phase

## **11 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY SALES CHANNEL**

11.1 Introduction

11.2 Direct Channel

11.3 Indirect Channel

11.4 PV Inverter Customers

11.5 Distribution Channel

## **12 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY END USER**

12.1 Introduction

12.2 Residential

12.3 Utility

12.4 Industrial

12.4.1 Chemical

12.4.2 Paper

12.4.3 Food Processing

12.5 Commercial

12.5.1 Office

12.5.2 College/University

12.5.3 Government/Military

## **13 GLOBAL PHOTOVOLTAIC (PV) INVERTERS MARKET, BY GEOGRAPHY**

13.1 Introduction

13.2 North America

13.2.1 US

- 13.2.2 Canada
- 13.2.3 Mexico
- 13.3 Europe
  - 13.3.1 Germany
  - 13.3.2 UK
  - 13.3.3 Italy
  - 13.3.4 France
  - 13.3.5 Spain
  - 13.3.6 Rest of Europe
- 13.4 Asia Pacific
  - 13.4.1 Japan
  - 13.4.2 China
  - 13.4.3 India
  - 13.4.4 Australia
  - 13.4.5 New Zealand
  - 13.4.6 South Korea
  - 13.4.7 Rest of Asia Pacific
- 13.5 South America
  - 13.5.1 Argentina
  - 13.5.2 Brazil
  - 13.5.3 Chile
  - 13.5.4 Rest of South America
- 13.6 Middle East & Africa
  - 13.6.1 Saudi Arabia
  - 13.6.2 UAE
  - 13.6.3 Qatar
  - 13.6.4 South Africa
  - 13.6.5 Rest of Middle East & Africa

## **14 KEY DEVELOPMENTS**

- 14.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 14.2 Acquisitions & Mergers
- 14.3 New Product Launch
- 14.4 Expansions
- 14.5 Other Key Strategies

## **15 COMPANY PROFILING**

- 15.1 ABB
- 15.2 Delta Electronics, Inc.
- 15.3 Eaton
- 15.4 Emerson Electric Co
- 15.5 Hitachi Hi-Rel Power Electronics Pvt. Ltd.
- 15.6 Omron Corporation
- 15.7 Power Electronics
- 15.8 Siemens AG
- 15.9 SMA Solar Technolgy AG
- 15.10 SunPower Corporation

## List Of Tables

### LIST OF TABLES

Table 1 Global Photovoltaic (PV) Inverters Market Outlook, By Region (2016-2026) (US \$MN)

Table 2 Global Photovoltaic (PV) Inverters Market Outlook, By Product (2016-2026) (US \$MN)

Table 3 Global Photovoltaic (PV) Inverters Market Outlook, By Central PV Inverter (2016-2026) (US \$MN)

Table 4 Global Photovoltaic (PV) Inverters Market Outlook, By Transformer Based (2016-2026) (US \$MN)

Table 5 Global Photovoltaic (PV) Inverters Market Outlook, By Transformer Less (2016-2026) (US \$MN)

Table 6 Global Photovoltaic (PV) Inverters Market Outlook, By Micro PV Inverter (2016-2026) (US \$MN)

Table 7 Global Photovoltaic (PV) Inverters Market Outlook, By String PV Inverter (2016-2026) (US \$MN)

Table 8 Global Photovoltaic (PV) Inverters Market Outlook, By Other PV Inverter (2016-2026) (US \$MN)

Table 9 Global Photovoltaic (PV) Inverters Market Outlook, By Type (2016-2026) (US \$MN)

Table 10 Global Photovoltaic (PV) Inverters Market Outlook, By Parallel (2016-2026) (US \$MN)

Table 11 Global Photovoltaic (PV) Inverters Market Outlook, By Separate (2016-2026) (US \$MN)

Table 12 Global Photovoltaic (PV) Inverters Market Outlook, By Connectivity (2016-2026) (US \$MN)

Table 13 Global Photovoltaic (PV) Inverters Market Outlook, By Standalone (2016-2026) (US \$MN)

Table 14 Global Photovoltaic (PV) Inverters Market Outlook, By On-Grid (2016-2026) (US \$MN)

Table 15 Global Photovoltaic (PV) Inverters Market Outlook, By Off-Grid (2016-2026) (US \$MN)

Table 16 Global Photovoltaic (PV) Inverters Market Outlook, By Battery Backup Inverter (2016-2026) (US \$MN)

Table 17 Global Photovoltaic (PV) Inverters Market Outlook, By Nominal Output Power (2016-2026) (US \$MN)

Table 18 Global Photovoltaic (PV) Inverters Market Outlook, By 33,000 - 110,000 W

(2016-2026) (US \$MN)

Table 19 Global Photovoltaic (PV) Inverters Market Outlook, By > 110,000 W

(2016-2026) (US \$MN)

Table 20 Global Photovoltaic (PV) Inverters Market Outlook, By 3,000 - 33,000 W

(2016-2026) (US \$MN)

Table 21 Global Photovoltaic (PV) Inverters Market Outlook, By ? 300 W (2016-2026)

(US \$MN)

Table 22 Global Photovoltaic (PV) Inverters Market Outlook, By 300 -3,000 W

(2016-2026) (US \$MN)

Table 23 Global Photovoltaic (PV) Inverters Market Outlook, By Nominal Output Voltage

(2016-2026) (US \$MN)

Table 24 Global Photovoltaic (PV) Inverters Market Outlook, By > 600 V (2016-2026)

(US \$MN)

Table 25 Global Photovoltaic (PV) Inverters Market Outlook, By 400 - 600 V

(2016-2026) (US \$MN)

Table 26 Global Photovoltaic (PV) Inverters Market Outlook, By ? 230 V (2016-2026)

(US \$MN)

Table 27 Global Photovoltaic (PV) Inverters Market Outlook, By 230 - 400 V

(2016-2026) (US \$MN)

Table 28 Global Photovoltaic (PV) Inverters Market Outlook, By Power Class

(2016-2026) (US \$MN)

Table 29 Global Photovoltaic (PV) Inverters Market Outlook, By Three Phase

(2016-2026) (US \$MN)

Table 30 Global Photovoltaic (PV) Inverters Market Outlook, By High Power (>99kW)

(2016-2026) (US \$MN)

Table 31 Global Photovoltaic (PV) Inverters Market Outlook, By Low Power (?99 kW)

(2016-2026) (US \$MN)

Table 32 Global Photovoltaic (PV) Inverters Market Outlook, By Single Phase

(2016-2026) (US \$MN)

Table 33 Global Photovoltaic (PV) Inverters Market Outlook, By Sales Channel

(2016-2026) (US \$MN)

Table 34 Global Photovoltaic (PV) Inverters Market Outlook, By Direct Channel

(2016-2026) (US \$MN)

Table 35 Global Photovoltaic (PV) Inverters Market Outlook, By Indirect Channel

(2016-2026) (US \$MN)

Table 36 Global Photovoltaic (PV) Inverters Market Outlook, By PV Inverter Customers

(2016-2026) (US \$MN)

Table 37 Global Photovoltaic (PV) Inverters Market Outlook, By Distribution Channel

(2016-2026) (US \$MN)

Table 38 Global Photovoltaic (PV) Inverters Market Outlook, By End User (2016-2026)  
(US \$MN)

Table 39 Global Photovoltaic (PV) Inverters Market Outlook, By Residential (2016-2026)  
(US \$MN)

Table 40 Global Photovoltaic (PV) Inverters Market Outlook, By Utility (2016-2026) (US  
\$MN)

Table 41 Global Photovoltaic (PV) Inverters Market Outlook, By Industrial (2016-2026)  
(US \$MN)

Table 42 Global Photovoltaic (PV) Inverters Market Outlook, By Chemical (2016-2026)  
(US \$MN)

Table 43 Global Photovoltaic (PV) Inverters Market Outlook, By Paper (2016-2026) (US  
\$MN)

Table 44 Global Photovoltaic (PV) Inverters Market Outlook, By Food Processing  
(2016-2026) (US \$MN)

Table 45 Global Photovoltaic (PV) Inverters Market Outlook, By Commercial  
(2016-2026) (US \$MN)

Table 46 Global Photovoltaic (PV) Inverters Market Outlook, By Office (2016-2026) (US  
\$MN)

Table 47 Global Photovoltaic (PV) Inverters Market Outlook, By College/University  
(2016-2026) (US \$MN)

Table 48 Global Photovoltaic (PV) Inverters Market Outlook, By Government/Military  
(2016-2026) (US \$MN)

**Note:** Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

## I would like to order

Product name: PV Inverters - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/P5E990541EEEN.html>

Price: US\$ 4,150.00 (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/P5E990541EEEN.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