

Global Single Phase Photovoltaic Inverter Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Single Phase Photovoltaic Inverter market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

A single-phase photovoltaic inverter is a device used to convert direct current generated by solar photovoltaic panels into alternating current. It is one of the key components in the solar power generation system and is used to convert the DC power generated by solar panels into AC power that matches the voltage and frequency of the grid to supply household, commercial or industrial electrical equipment. Single-phase photovoltaic inverters are mainly used in single-phase AC grids and are suitable for home and small commercial applications. It usually has a lower power capacity, usually between a few kilowatts to tens of kilowatts. The input terminal of the single-phase photovoltaic inverter is connected to the DC power supply of the solar panel, and the output terminal is connected to the power grid, and the DC power is converted into AC power through the inversion process. Single-phase photovoltaic inverters usually have multiple protection functions, such as overvoltage protection, undervoltage protection, overtemperature protection, etc., to ensure the safe operation of the system. In addition, some single-phase photovoltaic inverters also have data monitoring and communication functions, which can monitor and record the power generation of the system in real time for performance optimization and troubleshooting.

This report is a detailed and comprehensive analysis for global Single Phase Photovoltaic Inverter market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Single Phase Photovoltaic Inverter market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Single Phase Photovoltaic Inverter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Single Phase Photovoltaic Inverter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Single Phase Photovoltaic Inverter market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 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 Single Phase Photovoltaic Inverter

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 Single Phase Photovoltaic Inverter market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Huawei Technologies Co., Ltd, Sungrow Power Supply Co., Ltd, SMA Solar Technology AG, SolarEdge Technologies, Inc, FIMER S.p.A, Enphase Energy, Inc, Ginlong Technologies, Growatt New Energy, GoodWe, Solis, etc.

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

Market Segmentation

Single Phase Photovoltaic Inverter 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Phase Single Output Inverter

Single Phase Multiple Output Inverter

Market segment by Application

Power Generation Side Energy Storage

Grid Side Energy Storage

Power Demand Side Energy Storage

Major players covered

Huawei Technologies Co., Ltd

Sungrow Power Supply Co., Ltd

SMA Solar Technology AG

SolarEdge Technologies, Inc

FIMER S.p.A

Enphase Energy, Inc

Ginlong Technologies

Growatt New Energy

GoodWe

Solis

Delta Energy Systems, Inc

Kstar New Energy Co., Ltd

TBEA Xinjiang SunOasis Co., Ltd

Sofar

Luminous

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Single Phase Photovoltaic Inverter product scope, market

Global Single Phase Photovoltaic Inverter Market 2026 by Manufacturers, Regions, Type and Application, Forecas...

overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single Phase Photovoltaic Inverter, with price, sales quantity, revenue, and global market share of Single Phase Photovoltaic Inverter from 2021 to 2026.

Chapter 3, the Single Phase Photovoltaic Inverter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single Phase Photovoltaic Inverter breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Single Phase Photovoltaic Inverter market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Single Phase Photovoltaic Inverter.

Chapter 14 and 15, to describe Single Phase Photovoltaic Inverter sales channel, distributors, customers, research findings and conclusion.

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