

# **Global Inverter Market study by Type (Solar Inverters and Non-solar inverters), by Output power rating (Additive, substrative and others), by Output Voltage (3 Axes, 4 Axes, 5 Axes and others), by Sales Channel (Direct and Indirect) End-use Industries (PV plants, Residential, commercial and automotive) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global Inverter Market is valued approximately at USD 11.07 Billion in 2019 and is anticipated to grow with a healthy growth rate of more than 15.60% over the forecast period 2020-2027. An inverter is an electrical device that converts DC voltage from batteries into the standard household AC voltage so that it can be further used by common appliances. It converts the direct current into alternative current. The rapid growth in production of renewable energy across the globe is the factor propelling the growth of market over the forecast years. As the inverter converts the variable direct current output of a photovoltaic solar panel into a utility frequency alternating to AC voltage and efficiently fed into a commercial electrical grid or uses for locals and electrical networks. For instance: according to the Indian Brand Equity Foundation, installed renewable power generation in India grown with CAGR of 17.33% between 2016-2020 and stood at 87.26 GW out of which wind & solar comprised 34.74 GW and 34.81 GW respectively. Similarly, as per China's National Energy Administration, China's renewable energy installation capacity has reached to 728 GW in 2018 which is an increase of over 12 from 2017 that is 647.32 GW which includes 52 GW (up 2.5 percent) for hydro, 184 GW (up 12.4 percent) for wind, 17.8 GW (up 20.7 percent) for biomass and 174 GW (up 34 percent) for photovoltaic (PV). In addition, surging demand for various household devices in vehicles is the factor driving the growth of market over the forecast years. However, strain caused by inverters on batteries of vehicles to

power secondary devices and systems installed in it is the factor hampering the growth of market over the forecast years.

The regional analysis of global Inverter Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to large inflow of investments in renewable energy sector. Whereas Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as surging demand for various household devices in vehicles would create lucrative growth prospects for the Inverter Market across Asia-Pacific region.

Major market player included in this report are:

Huawei Technologies  
Sungrow Power Supply  
SMA Solar Technology  
Power Electronics  
Abb  
Solaredge Technologies  
Fronius International  
Altenergy Power System  
Enphase Energy  
Darfon Electronics

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Type Types of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Solar inverters  
Non-solar inverters

By Output power rating:

Below 10 kW  
10–50 kW  
50–100 kW  
Above 100 kW

By Output Voltage:  
100–300 V  
300-500 V  
Above 500 V

By Sales Channel:  
Direct  
Indirect

By End-use Industries:  
PV plants  
Residential  
Commercial  
Automotive

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

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018  
Base year – 2019  
Forecast period – 2020 to 2027

Target Audience of the Global Inverter Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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