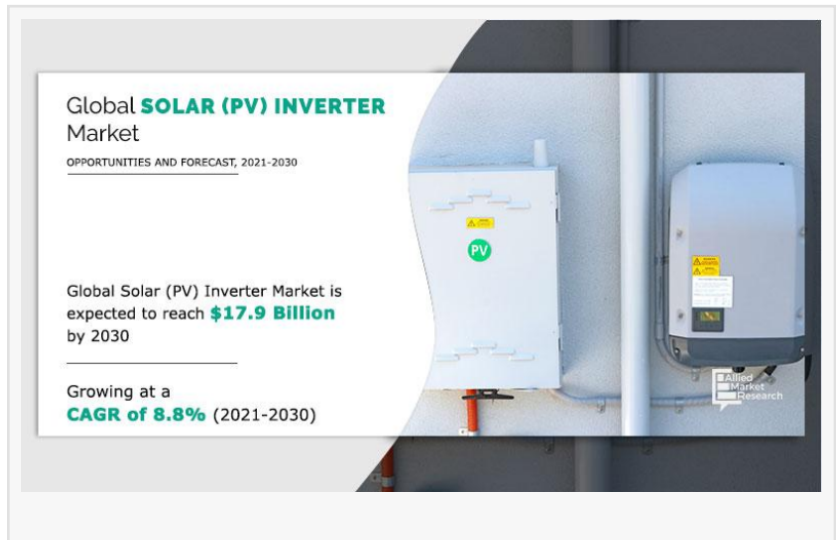


Driving Renewable Energy: Growth Trends in the Solar (PV) Inverter Market

*Solar Photovoltaic Inverter Market:
Transforming Energy | Asia Pacific
Dominate by Australia, Singapore, South
Korea, Japan, Taiwan*

WILMINGTON, DE, UNITED STATES,
January 13, 2025 /EINPresswire.com/ --

According to a new report published by Allied Market Research, The [solar \(PV\) inverter market](#) size was valued at \$7.7 billion in 2020, and is projected to reach \$17.9 billion by 2030, growing at a CAGR of 8.8% from 2021 to 2030.



A solar inverter, also known as a photovoltaic (PV) inverter, is an essential component of a solar power system. Its primary function is to convert the direct current (DC) electricity generated by solar panels into alternating current (AC) electricity, which is used to power household appliances and can be fed into the electrical grid.



Rapid growth of the renewable energy sector, easy installation in case of string inverters, and R&D towards production of highly efficient solar inverters are drives solar (PV) inverter market.”

Allied Market Research

Download PDF Brochure:

<https://www.alliedmarketresearch.com/request-sample/10865>

Asia-Pacific garnered the dominant share in 2020, and is anticipated to maintain this dominance in solar (PV) inverter market trend during the forecast period. This is attributed to the presence of key players and huge

consumer base in the region.

Some of the major players in the [global solar \(PV\) inverter industry](#) include Delta Electronics, Inc., Fimer S.p.A., Fronius International GmbH, Ginlong Technologies, Huawei Technologies Co., Ltd., Shenzhen Growatt New Energy Co., Ltd., Siemens AG, SMA Solar Technology AG, SolarEdge

Technologies, Inc., and Sungrow Power Supply Co., Ltd., Goodwe, Canadian Solar, Sunpower Corporation, Sineng Electric Co., Ltd., SunPower, Omron Corporation

String Inverters: These are the most common type of solar inverters. They are connected to a string of solar panels, typically mounted on the same roof or facing the same direction. String inverters convert the combined DC electricity from the panels into AC electricity. They are cost-effective and suitable for most residential and commercial installations.

Microinverters: Unlike string inverters, microinverters are attached to each individual solar panel. They convert the DC electricity from each panel into AC electricity independently. Microinverters allow for panel-level monitoring and can optimize system performance, particularly in cases where panels are partially shaded or have varying orientations.

Power Optimizers: Power optimizers are similar to microinverters in that they optimize the output of each solar panel individually. However, unlike microinverters, power optimizers do not convert DC to AC electricity themselves. Instead, they act as DC-to-DC converters, optimizing the power output of each panel before sending it to a central string inverter.

A solar inverter, factors such as system size, panel configuration, shading conditions, monitoring requirements, and budget should be considered. It is advisable to consult with a professional solar installer or engineer who can recommend the most suitable inverter for your specific solar power system needs.

Significant development of the end-use industries such as oil & gas, telecom, mining, pharmaceutical, chemicals, and healthcare has fueled the demand for off-grid solar installations for their respective manufacturing and operations, which in turn drives the growth of the solar (PV) inverter market during the forecast period.

Buy This Report (250 Pages PDF with Insights, Charts, Tables, and Figures):

<https://bit.ly/3qSdNyX>

Increase in demand for solar inverter from developing economies such as India, China, and Japan fuel the growth of the market, globally.

High heat generation from large size solar inverters and installation of solar panels in different directions are the key factors that are expected to hamper the growth of the global solar inverter market in the upcoming years.

Rapid expansion of the renewable energy sector, rise in investment toward upgradation of aged power infrastructure, and rapid industrialization in the region are further anticipated to fuel the growth of the market in the upcoming years.

Single phase is the fastest-growing phase segment in the global [solar \(PV\) inverter market share](#),

expected to grow at a CAGR of 9.2% during 2021–2030.

Commercial & industrial segment is expected to grow at the fastest rate, registering a CAGR of 9.4%, throughout the forecast period.

In 2020, the on-grid segment accounted for 65.5% solar (PV) inverter market share in the year 2020, and is anticipated to grow at a rate of 8.5% in terms of revenue, increasing its share in the global solar (PV) inverter market.

COVID-19 impact

The outbreak has negatively impacted various industries and countries, thereby decreasing manpower across the globe, which, in turn, decreased consumer spending and thus, decreased the demand for electrical products, vehicles, construction equipment and others which is resulted in decreasing the need for electricity and thereby affecting the market growth.

Enquiry Before Buying: <https://www.alliedmarketresearch.com/purchase-enquiry/10865>

In Europe, economies, such as Germany, France, Spain, and Italy, were following stringent measures, such as maintaining social distance and limiting movements, to prevent the spread of coronavirus.

Trending Reports in Energy and Power Industry:

Grid Forming Inverters Market

<https://www.alliedmarketresearch.com/grid-forming-inverters-market-A11637>

Renewable Energy Market

<https://www.alliedmarketresearch.com/renewable-energy-market>

Power Inverter Market

<https://www.alliedmarketresearch.com/power-inverter-market-A12078>

Solar (PV) Inverter Market

<https://www.alliedmarketresearch.com/pv-inverters-market-A10500>

Solar Tracker Market

<https://www.alliedmarketresearch.com/solar-tracker-market>

Solar Tracker Installation Market

<https://www.alliedmarketresearch.com/solar-tracker-installation-market-A05955>

Photovoltaic Market

<https://www.alliedmarketresearch.com/photovoltaic-market>

Solar Farm Market

<https://www.alliedmarketresearch.com/solar-farm-market-A10242>

Solar Freezer Market

<https://www.alliedmarketresearch.com/solar-freezer-market-A11860>

Agrivoltaics Market

<https://www.alliedmarketresearch.com/agrivoltaics-market-A47446>

Solar Energy Market

<https://www.alliedmarketresearch.com/solar-energy-market>

Solar Energy Storage Market

<https://www.alliedmarketresearch.com/solar-energy-storage-market-A17238>

Solar Encapsulation Market

<https://www.alliedmarketresearch.com/solar-encapsulation-market>

Solar Photovoltaic (PV) Panel Market

<https://www.alliedmarketresearch.com/solar-photovoltaic-panel-market>

Concentrated Solar Power Market

<https://www.alliedmarketresearch.com/concentrated-solar-thermal-market>

Rooftop Solar PV Market

<https://www.alliedmarketresearch.com/rooftop-solar-pv-market-A124759>

Distributed Energy Generation Market

<https://www.alliedmarketresearch.com/distributed-energy-generation-market-A13784>

About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+1 800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/776465120>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.