

Asia-Pacific Solar Microinverter Market by Type (Single Phase and Three Phase), By Connectivity (Integrated, Standalone), By Application (Residential, Commercial, Utility), and By Sales Channel (Direct, Indirect), By Country, Competition, Forecast and Opportunities, 2028F

<https://marketpublishers.com/r/AD8ED3423AE2EN.html>

Date: October 2023

Pages: 139

Price: US\$ 4,400.00 (Single User License)

ID: AD8ED3423AE2EN

Abstracts

Asia Pacific Solar Microinverter market is expected to rise rapidly. Growing demand for solar microinverters due to their remote monitoring capabilities drives the Asia Pacific solar microinverter market. Continual technical improvements to improve the capabilities of solar microinverters are fueling market expansion. Moreover, the advantages of solar microinverters over conventional solar inverter technologies are offering profitable growth prospects in the industry.

Solar microinverters are devices that convert direct current (DC) electricity generated by solar panels into alternating current (AC) electricity that can be used in homes and businesses. In the Asia Pacific region, the use of solar microinverters has been growing rapidly, particularly in countries with high solar energy potential such as Australia, Japan, and China. One of the main advantages of solar microinverters is that they offer greater efficiency and flexibility compared to traditional string inverters, which are commonly used in solar power systems. With microinverters, each solar panel has its own inverter, which allows for maximum power production, even if one or more panels are shaded or malfunctioning.

In addition to their technical benefits, solar microinverters are also becoming more popular in the Asia Pacific market due to the increasing demand for solar power and the declining cost of solar energy technology. Many governments in the region are also

providing incentives and subsidies for households and businesses to invest in solar energy systems, which is driving the growth of the market.

Overall, the role of solar microinverters in the Asia Pacific market is to provide a more efficient and flexible solution for solar power generation, which can help to reduce reliance on fossil fuels and mitigate the impacts of climate change.

Government Policies and Incentives

Government policies and incentives play a critical role in the adoption of solar microinverter systems. Many countries such as Malaysia, Philippines, China, etc in the Asia Pacific region, offer tax credits, subsidies, and other incentives to encourage the adoption of solar energy systems.

Governments in the Asia-Pacific region are implementing various policies and initiatives to encourage the use of solar energy. For instance, the Indian government has set a target improving the installed capacity of renewable energy to 450 GW by 2030. Such initiatives are expected to boost the demand for solar microinverters in the region. Governments across the Asia-Pacific region are actively promoting the use of solar energy, through various initiatives such as subsidies, tax incentives, and feed-in tariffs. These initiatives are aimed at incentivizing the adoption of solar energy, driving the growth of the solar microinverter market. The need for solar panels is anticipated to surge in the next few years due to inflation control laws in countries such as the United States and various tax inducements by various regional governments. Governments of numerous countries in different regions are employing policies to focus on mounting the solar energy industry, boosting energy security, reducing emissions, and meeting their corresponding climate goals. Energy ministers from Southeast Asian governments have agreed to set a 35% renewable energy capacity target by 2025. In addition, the US government also plans that they will achieve 100% carbon-free electricity by 2035. The expansion of clean energy by the government is estimated to have a positive influence on the forecast of the Asia Pacific solar microinverter market in the coming years.

Cost of Solar Microinverters

The cost of solar microinverters is another important factor that can affect market adoption. While the cost of solar microinverters has been declining over the years, it still remains relatively high compared to traditional string inverters. Solar microinverters are a cost-effective solution for residential and commercial solar power systems. They allow for better power management, and in case of any failure, only the affected panel needs

to be fixed, resulting in cost savings. Solar microinverters are typically more expensive than traditional inverters, which can be a barrier to adoption for some consumers. However, as technology continues to evolve and costs decrease, this challenge is expected to become less significant.

Top countries of Asia Pacific including China and India, where solar photovoltaic (PV) installations are facing unpredictable growth. Japan and Australia are other major markets for solar installations in the region. Top solar system providers are basically from Asia Pacific region, as it is the world's hub for solar system manufacturing. Japan, China, and Taiwan are major manufacturers of solar systems. The Asia-Pacific region will reach Europe as the largest contributor to global solar photovoltaic (PV) installed capacity, increasing cumulative installed capacity from 63.3 (GW) in 2014 to 345.33 GW by 2029.

Increasing Demand for Renewable Energy

Transport is one of the essential infrastructures that has boosted the Japanese economy and grown in tandem with the rise of other businesses. Japan is making strides towards electric vehicles. Toyota, for example, cooperated with Mazda, another key player, to develop electric vehicle technologies for electric cars such as minivans, passenger cars, SUVs, and light trucks, thereby meeting the demand for Solar Microinverters.

The increasing demand for renewable energy sources, coupled with the depletion of fossil fuels, is one of the primary drivers of the Asia-Pacific Solar Microinverter Market. Governments across the region are promoting the use of renewable energy sources to reduce carbon emissions and combat climate change. The Asia Pacific solar microinverter market is primarily driven by the increasing shift away from fossil fuel-based power generation towards greener and cleaner alternative energy sources. In addition, the completion of favorable adjustments and numerous government subsidies have led to the installation of solar energy infrastructure, including micro-inverters. In addition, the customization of solar microinverters to user requirements and an extended warranty period, along with the spread of building-integrated photovoltaic cells are driving the market growth. Moreover, Australia is one of the leading markets for rooftop PV, with micro-inverters frequently used in place of traditional inverters, driving the growth of the segment.

Technological Advancements

Solar microinverter system's technological advances may potentially have an impact on the market. Microinverter design and functionality innovations, such as greater efficiency and dependability, can make these systems more appealing to potential buyers. Technological advancements, such as the development of smart inverters and the Internet of Things (IoT), are propelling the Asia-Pacific Solar Microinverter market forward. Smart inverters allow for remote monitoring and management of solar power installations, increasing efficiency. The Asia-Pacific Solar Microinverter Market is witnessing significant technological advancements, such as the higher power density that allows for more power output in a smaller and compact form factor. This improvement enables greater energy production from solar panels, even in limited roof space. These advancements are driving the growth of the market, as they enable the adoption of solar energy on a larger scale.

Market Segmentation

The Asia-Pacific Solar Microinverter Market is divided into Type, Connectivity, Application, Sales Channel, and Country. Based on Type, the market is divided into Single Phase and Three Phase. Based on Connectivity, the market is segmented into Integrated and Standalone. Based on Application, the market is segmented into Residential, Commercial, and Utility. Based on Sales Channel, the market is divided into Direct and Indirect. Based on country, the market is segmented into China, Japan, India, South Korea, Australia, Vietnam, Indonesia, Singapore, Philippines, Malaysia, and Rest of Asia-Pacific.

Market Players

Major market players in the Asia-Pacific Solar Microinverter Market are Emeren Group Ltd, Altenergy Power System Inc, SunPower Corporation, Zhejiang Envertech Corporation Limited, Zhejiang Envertech Corporation Limited, Enphase Energy, Inc, Darfon Electronics Corporation, and Hoymiles PV microinverter.

Report Scope:

In this report, the Asia-Pacific Solar Microinverter Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Asia-Pacific Solar Microinverter Market, By Type:

Single Phase

Three Phase

Asia-Pacific Solar Microinverter Market, By Connectivity:

Integrated

Standalone

Asia-Pacific Solar Microinverter Market, By Application:

Residential

Commercial

Utility

Asia-Pacific Solar Microinverter Market, By Sales Channel:

Direct

Indirect

Asia-Pacific Solar Microinverter Market, By Country:

China

Japan

India

South Korea

Australia

Vietnam

Indonesia

Singapore

Philippines

Malaysia

Rest of Asia-Pacific

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Solar Microinverter Market.

Available Customizations:

Asia-Pacific Solar Microinverter Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. Product Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Market
 - 1.3. Markets Covered
 - 1.4. Years Considered for Study
 - 1.5. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. ASIA-PACIFIC SOLAR MICROINVERTER MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Single Phase and Three Phase)
 - 5.2.2. By Connectivity (Integrated, Standalone)
 - 5.2.3. By Application (Residential, Commercial, Utility)
 - 5.2.4. By Sales Channel (Direct, Indirect)
 - 5.2.5. By Country (China, Japan, India, South Korea, Australia, Vietnam, Indonesia, Singapore, Philippines, Malaysia)
- 5.3. By Company (2022)
- 5.4. Market Map

6. CHINA SOLAR MICROINVERTER MARKET OUTLOOK

Asia-Pacific Solar Microinverter Market by Type (Single Phase and Three Phase), By Connectivity (Integrated, S...

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Connectivity

6.2.3. By Application

6.2.4. By Sales Channel

7. JAPAN SOLAR MICROINVERTER MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Connectivity

7.2.3. By Application

7.2.4. By Sales Channel

8. INDIA SOLAR MICROINVERTER MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Connectivity

8.2.3. By Application

8.2.4. By Sales Channel

9. SOUTH KOREA SOLAR MICROINVERTER MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Connectivity

9.2.3. By Application

9.2.4. By Sales Channel

10. AUSTRALIA SOLAR MICROINVERTER MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Type

10.2.2. By Connectivity

10.2.3. By Application

10.2.4. By Sales Channel

11. VIETNAM SOLAR MICROINVERTER MARKET OUTLOOK

11.1. Market Size & Forecast

11.1.1. By Value

11.2. Market Share & Forecast

11.2.1. By Type

11.2.2. By Connectivity

11.2.3. By Application

11.2.4. By Sales Channel

12. INDONESIA SOLAR MICROINVERTER MARKET OUTLOOK

12.1. Market Size & Forecast

12.1.1. By Value

12.2. Market Share & Forecast

12.2.1. By Type

12.2.2. By Connectivity

12.2.3. By Application

12.2.4. By Sales Channel

13. SINGAPORE SOLAR MICROINVERTER MARKET OUTLOOK

13.1. Market Size & Forecast

13.1.1. By Value

13.2. Market Share & Forecast

13.2.1. By Type

13.2.2. By Connectivity

13.2.3. By Application

13.2.4. By Sales Channel

14. PHILIPPINES SOLAR MICROINVERTER MARKET OUTLOOK

14.1. Market Size & Forecast

14.1.1. By Value

14.2. Market Share & Forecast

14.2.1. By Type

14.2.2. By Connectivity

14.2.3. By Application

14.2.4. By Sales Channel

15. MALAYSIA SOLAR MICROINVERTER MARKET OUTLOOK

15.1. Market Size & Forecast

15.1.1. By Value

15.2. Market Share & Forecast

15.2.1. By Type

15.2.2. By Connectivity

15.2.3. By Application

15.2.4. By Sales Channel

16. REST OF ASIA-PACIFIC SOLAR MICROINVERTER MARKET OUTLOOK

16.1. Market Size & Forecast

16.1.1. By Value

16.2. Market Share & Forecast

16.2.1. By Type

16.2.2. By Connectivity

16.2.3. By Application

16.2.4. By Sales Channel

17. MARKET DYNAMICS

17.1. Drivers

17.2. Challenges

18. MARKET TRENDS & DEVELOPMENTS

19. POLICY & REGULATORY LANDSCAPE

20. COMPANY PROFILES

20.1. Emeren Group Ltd

- 20.1.1. Business Overview
- 20.1.2. Key Revenue and Financials (If Available)
- 20.1.3. Recent Developments
- 20.1.4. Key Personnel
- 20.1.5. Key Product/Services

20.2. Altenergy Power System Inc

- 20.2.1. Business Overview
- 20.2.2. Key Revenue and Financials (If Available)
- 20.2.3. Recent Developments
- 20.2.4. Key Personnel
- 20.2.5. Key Product/Services

20.3. SunPower Corporation

- 20.3.1. Business Overview
- 20.3.2. Key Revenue and Financials (If Available)
- 20.3.3. Recent Developments
- 20.3.4. Key Personnel
- 20.3.5. Key Product/Services

20.4. CAP-XX Ltd

- 20.4.1. Business Overview
- 20.4.2. Key Revenue and Financials (If Available)
- 20.4.3. Recent Developments
- 20.4.4. Key Personnel
- 20.4.5. Key Product/Services

20.5. Nippon Chemi-Con Corp.

- 20.5.1. Business Overview
- 20.5.2. Key Revenue and Financials (If Available)
- 20.5.3. Recent Developments
- 20.5.4. Key Personnel
- 20.5.5. Key Product/Services

20.6. Zhejiang Envertech Corporation Limited

- 20.6.1. Business Overview
- 20.6.2. Key Revenue and Financials (If Available)
- 20.6.3. Recent Developments

20.6.4. Key Personnel

20.6.5. Key Product/Services

20.7. Enphase Energy, Inc

20.7.1. Business Overview

20.7.2. Key Revenue and Financials (If Available)

20.7.3. Recent Developments

20.7.4. Key Personnel

20.7.5. Key Product/Services

20.8. Targray Technology International Inc

20.8.1. Business Overview

20.8.2. Key Revenue and Financials (If Available)

20.8.3. Recent Developments

20.8.4. Key Personnel

20.8.5. Key Product/Services

20.9. Hoymiles PV microinverter.

20.9.1. Business Overview

20.9.2. Key Revenue and Financials (If Available)

20.9.3. Recent Developments

20.9.4. Key Personnel

20.9.5. Key Product/Services

21. STRATEGIC RECOMMENDATIONS

22. ABOUT US & DISCLAIMER

I would like to order

Product name: Asia-Pacific Solar Microinverter Market by Type (Single Phase and Three Phase), By Connectivity (Integrated, Standalone), By Application (Residential, Commercial, Utility), and By Sales Channel (Direct, Indirect), By Country, Competition, Forecast and Opportunities, 2028F

Product link: <https://marketpublishers.com/r/AD8ED3423AE2EN.html>

Price: US\$ 4,400.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AD8ED3423AE2EN.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