

Global Micro Inverter Market Report and Forecast 2023-2028

Market Report | 2023-04-28 | 111 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2799.00
- Five User License \$3999.00
- Corporate License \$4999.00

Report description:

Global Micro Inverter Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global micro inverter market attained a value of USD 2,559.1 million in 2022. Aided by the increasing demand for sustainable energy solutions and the rising adoption of solar power systems, the market is projected to further grow at a CAGR of 14.42% between 2023 and 2028 to reach a value of USD 5,454.7 million by 2028. Micro inverters are a particular kind of solar inverter technology that transforms the direct current (DC) generated by solar panels into alternating current (AC), which may be used by home appliances and sent into the power grid. Unlike traditional string inverters, micro inverters are installed on each solar panel, enabling independent operation, and improving overall system efficiency. They offer several advantages over conventional inverters, such as increased power output, enhanced reliability, and simplified installation and maintenance.

The global micro inverter market growth is primarily driven by the increasing demand for sustainable energy solutions and the growing adoption of solar power systems. The need to reduce reliance on fossil fuels and growing climate change concerns have encouraged investment in renewable energy sources, particularly solar power. This, in turn, has helped the market adopt micro inverters more frequently.

Additionally, the growing focus on energy efficiency and the need to optimise power generation from solar systems have led to the development of advanced micro inverter technologies. The increasing adoption of these innovative products is expected to create new growth opportunities for the global micro inverter market during the forecast period.

The advancements in micro inverter technology and the increasing investment in research and development by market players are also expected to drive the growth of the market for micro inverters. The development of innovative micro inverter designs with enhanced efficiency, improved reliability, and better compatibility with various solar panel types is anticipated to further bolster the micro inverter market expansion.

Furthermore, the rising awareness of the benefits of micro inverters, such as increased power output, simplified installation, and enhanced system monitoring, is expected to contribute to the market growth. The increasing demand for smart and connected energy solutions, coupled with the growing consumer preference for reliable and efficient solar power systems, is anticipated to drive the micro inverter market growth during the forecast period.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Market Segmentation

The market can be divided based on technology, type, connection, end use, and region.

Market Breakup by Technology

- Wired
- Wireless

Market Breakup by Type

- Single Phase
- Three Phase

Market Breakup by Connection

- Stand-Alone
- Grid-Connected

Market Breakup by End Use

- Residential
- Commercial

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global micro inverter companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- Enphase Energy, Inc.
- Siemens AG
- Chilicon Power, LLC
- Sparq Systems Inc.
- Darfon Electronics Corporation
- Altenenergy Power System Inc.
- Others

About Us

Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analyses provide the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and fortify your strategic planning. Secure your organisation's future success by acquiring one of our Expert Market Research reports today.

*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Micro Inverter Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Micro Inverter Historical Market (2018-2022)
 - 8.3 Global Micro Inverter Market Forecast (2023-2028)
 - 8.4 Global Micro Inverter Market by Technology
 - 8.4.1 Wired
 - 8.4.1.1 Market Share
 - 8.4.1.2 Historical Trend (2018-2022)
 - 8.4.1.3 Forecast Trend (2023-2028)
 - 8.4.2 Wireless
 - 8.4.2.1 Market Share
 - 8.4.2.2 Historical Trend (2018-2022)
 - 8.4.2.3 Forecast Trend (2023-2028)
 - 8.5 Global Micro Inverter Market by Type
 - 8.5.1 Single Phase
 - 8.5.1.1 Market Share
 - 8.5.1.2 Historical Trend (2018-2022)
 - 8.5.1.3 Forecast Trend (2023-2028)
 - 8.5.2 Three Phase
 - 8.5.2.1 Market Share
 - 8.5.2.2 Historical Trend (2018-2022)
 - 8.5.2.3 Forecast Trend (2023-2028)
 - 8.6 Global Micro Inverter Market by Connection
 - 8.6.1 Stand-Alone
 - 8.6.1.1 Market Share
 - 8.6.1.2 Historical Trend (2018-2022)
 - 8.6.1.3 Forecast Trend (2023-2028)
 - 8.6.2 Grid-Connected
 - 8.6.2.1 Market Share
 - 8.6.2.2 Historical Trend (2018-2022)
 - 8.6.2.3 Forecast Trend (2023-2028)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.7 Global Micro Inverter Market by End Use
 - 8.7.1 Residential
 - 8.7.1.1 Market Share
 - 8.7.1.2 Historical Trend (2018-2022)
 - 8.7.1.3 Forecast Trend (2023-2028)
 - 8.7.2 Commercial
 - 8.7.2.1 Market Share
 - 8.7.2.2 Historical Trend (2018-2022)
 - 8.7.2.3 Forecast Trend (2023-2028)
- 8.8 Global Micro Inverter Market by Region
 - 8.8.1 North America
 - 8.8.1.1 Market Share
 - 8.8.1.2 Historical Trend (2018-2022)
 - 8.8.1.3 Forecast Trend (2023-2028)
 - 8.8.2 Europe
 - 8.8.2.1 Market Share
 - 8.8.2.2 Historical Trend (2018-2022)
 - 8.8.2.3 Forecast Trend (2023-2028)
 - 8.8.3 Asia Pacific
 - 8.8.3.1 Market Share
 - 8.8.3.2 Historical Trend (2018-2022)
 - 8.8.3.3 Forecast Trend (2023-2028)
 - 8.8.4 Latin America
 - 8.8.4.1 Market Share
 - 8.8.4.2 Historical Trend (2018-2022)
 - 8.8.4.3 Forecast Trend (2023-2028)
 - 8.8.5 Middle East and Africa
 - 8.8.5.1 Market Share
 - 8.8.5.2 Historical Trend (2018-2022)
 - 8.8.5.3 Forecast Trend (2023-2028)
- 9 North America Micro Inverter Market Analysis
 - 9.1 United States of America
 - 9.1.1 Market Share
 - 9.1.2 Historical Trend (2018-2022)
 - 9.1.3 Forecast Trend (2023-2028)
 - 9.2 Canada
 - 9.2.1 Market Share
 - 9.2.2 Historical Trend (2018-2022)
 - 9.2.3 Forecast Trend (2023-2028)
- 10 Europe Micro Inverter Market Analysis
 - 10.1 France
 - 10.1.1 Market Share
 - 10.1.2 Historical Trend (2018-2022)
 - 10.1.3 Forecast Trend (2023-2028)
 - 10.2 Germany
 - 10.2.1 Market Share
 - 10.2.2 Historical Trend (2018-2022)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.2.3 Forecast Trend (2023-2028)
- 10.3 Spain
 - 10.3.1 Market Share
 - 10.3.2 Historical Trend (2018-2022)
 - 10.3.3 Forecast Trend (2023-2028)
- 10.4 Poland
 - 10.4.1 Market Share
 - 10.4.2 Historical Trend (2018-2022)
 - 10.4.3 Forecast Trend (2023-2028)
- 10.5 The Netherlands
 - 10.5.1 Market Share
 - 10.5.2 Historical Trend (2018-2022)
 - 10.5.3 Forecast Trend (2023-2028)
- 10.6 Others
- 11 Asia Pacific Micro Inverter Market Analysis
 - 11.1 China
 - 11.1.1 Market Share
 - 11.1.2 Historical Trend (2018-2022)
 - 11.1.3 Forecast Trend (2023-2028)
 - 11.2 Japan
 - 11.2.1 Market Share
 - 11.2.2 Historical Trend (2018-2022)
 - 11.2.3 Forecast Trend (2023-2028)
 - 11.3 India
 - 11.3.1 Market Share
 - 11.3.2 Historical Trend (2018-2022)
 - 11.3.3 Forecast Trend (2023-2028)
 - 11.4 ASEAN
 - 11.4.1 Market Share
 - 11.4.2 Historical Trend (2018-2022)
 - 11.4.3 Forecast Trend (2023-2028)
 - 11.5 Australia
 - 11.5.1 Market Share
 - 11.5.2 Historical Trend (2018-2022)
 - 11.5.3 Forecast Trend (2023-2028)
 - 11.6 Others
- 12 Latin America Micro Inverter Market Analysis
 - 12.1 Brazil
 - 12.1.1 Market Share
 - 12.1.2 Historical Trend (2018-2022)
 - 12.1.3 Forecast Trend (2023-2028)
 - 12.2 Argentina
 - 12.2.1 Market Share
 - 12.2.2 Historical Trend (2018-2022)
 - 12.2.3 Forecast Trend (2023-2028)
 - 12.3 Mexico
 - 12.3.1 Market Share

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.3.2 Historical Trend (2018-2022)
- 12.3.3 Forecast Trend (2023-2028)
- 12.4 Others
- 13 Middle East and Africa Micro Inverter Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Market Share
 - 13.1.2 Historical Trend (2018-2022)
 - 13.1.3 Forecast Trend (2023-2028)
 - 13.2 United Arab Emirates
 - 13.2.1 Market Share
 - 13.2.2 Historical Trend (2018-2022)
 - 13.2.3 Forecast Trend (2023-2028)
 - 13.3 South Africa
 - 13.3.1 Market Share
 - 13.3.2 Historical Trend (2018-2022)
 - 13.3.3 Forecast Trend (2023-2028)
 - 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths
 - 14.1.2 Weaknesses
 - 14.1.3 Opportunities
 - 14.1.4 Threats
 - 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
 - 14.3 Key Indicators for Demand
 - 14.4 Key Indicators for Price
- 15 Value Chain Analysis
- 16 Competitive Landscape
 - 16.1 Market Structure
 - 16.2 Company Profiles
 - 16.2.1 Enphase Energy, Inc.
 - 16.2.1.1 Company Overview
 - 16.2.1.2 Product Portfolio
 - 16.2.1.3 Demographic Reach and Achievements
 - 16.2.1.4 Certifications
 - 16.2.2 Siemens AG
 - 16.2.2.1 Company Overview
 - 16.2.2.2 Product Portfolio
 - 16.2.2.3 Demographic Reach and Achievements
 - 16.2.2.4 Certifications
 - 16.2.3 Chilicon Power, LLC
 - 16.2.3.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16.2.3.2 Product Portfolio
 - 16.2.3.3 Demographic Reach and Achievements
 - 16.2.3.4 Certifications
 - 16.2.4 Sparq Systems Inc.
 - 16.2.4.1 Company Overview
 - 16.2.4.2 Product Portfolio
 - 16.2.4.3 Demographic Reach and Achievements
 - 16.2.4.4 Certifications
 - 16.2.5 Darfon Electronics Corporation
 - 16.2.5.1 Company Overview
 - 16.2.5.2 Product Portfolio
 - 16.2.5.3 Demographic Reach and Achievements
 - 16.2.5.4 Certifications
 - 16.2.6 Altenergy Power System Inc.
 - 16.2.6.1 Company Overview
 - 16.2.6.2 Product Portfolio
 - 16.2.6.3 Demographic Reach and Achievements
 - 16.2.6.4 Certifications
 - 16.2.7 Others
- 17 Key Trends and Developments in the Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Global Micro Inverter Market Report and Forecast 2023-2028

Market Report | 2023-04-28 | 111 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$2799.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-10"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com