

Global Power Grid System Market Report and Forecast 2023-2028

Market Report | 2023-07-21 | 182 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$4999.00

Report description:

Global Power Grid System Market Report and Forecast 2023-2028
Market Outlook

According to the report by Expert Market Research (EMR), the global power grid system market reached a value of approximately USD 9.61 billion in 2022. Aided by the escalating demand for reliable electricity and the expanding applications of power grid systems in various sector, the market is projected to further grow at a CAGR of 10.06% between 2023 and 2028 to reach a value of USD 17.12 billion by 2028.

Power grid systems consist of interconnected network for delivering electricity from producers to consumers. It encompasses power stations, transmission lines, and distribution infrastructure, thereby facilitating a seamless flow of power. Power grids have become a critical element in modern societies, underpinning the operations of various sectors, including residential, commercial, industrial, and utilities.

The rising global demand for reliable and continuous electricity is driving the global power grid system market growth. With the world's increasing reliance on electrical energy, the need for efficient, robust, and resilient power grid systems has become paramount. This demand is further magnified by the rapid urbanisation and industrialisation observed in emerging economies, leading to a surge in the consumption of electricity.

Moreover, the widening applications of power grid systems across different sectors significantly contribute to the power grid system market expansion. In the utilities sector, power grids are crucial for transmitting electricity from power plants to households, businesses, and industries. In the industrial sector, they ensure the stable operation of various processes and equipment. For the residential and commercial sectors, power grids facilitate everyday activities, from lighting and heating to powering electronic devices.

Additionally, the trend of grid modernisation and digitalisation has further accelerated the power grid system market growth. With the advent of new technologies like smart grids, big data, and AI, traditional power grid systems are undergoing a significant transformation. These advancements not only enhance the efficiency and reliability of power delivery but also enable better grid management and maintenance, thereby boosting the demand for modern power grid systems.

Furthermore, the global shift towards renewable energy has added impetus to the power grid system market demand. As countries around the world strive to reduce carbon emissions and combat climate change, there is an increasing emphasis on

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

integrating renewable energy sources into power grids. This integration requires modern, flexible, and smart grid systems capable of handling the intermittent nature of renewable energy, thereby stimulating the power grid system market development.

Market Segmentation □

The market can be divided based on component, power supply, and region.

Market Breakup by Component

- Cables
- Variable Speed Drivers
- Transformers
- Switchgears
- Others

Market Breakup by Power Supply

- Captive Generation
- Wind Power
- Tidal Power
- Solar Power
- Others

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 power grid system companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- ABB Ltd
- Itron, Inc.
- Siemens AG.
- General Electric Company
- Honeywell International Inc.
- Schneider Electric SE
- Belden Inc.
- Wipro Limited
- NKT A/S
- 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.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 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 Market Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Power Grid System Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Power Grid System Historical Market (2018-2022)
 - 8.3 Global Power Grid System Market Forecast (2023-2028)
 - 8.4 Global Power Grid System Market by Components
 - 8.4.1 Cables
 - 8.4.1.1 Historical Trend (2018-2022)
 - 8.4.1.2 Forecast Trend (2023-2028)
 - 8.4.2 Variable Speed Drivers
 - 8.4.2.1 Historical Trend (2018-2022)
 - 8.4.2.2 Forecast Trend (2023-2028)
 - 8.4.3 Transformers
 - 8.4.3.1 Historical Trend (2018-2022)
 - 8.4.3.2 Forecast Trend (2023-2028)
 - 8.4.4 Switchgears
 - 8.4.4.1 Historical Trend (2018-2022)
 - 8.4.4.2 Forecast Trend (2023-2028)
 - 8.4.5 Others
 - 8.5 Global Power Grid System Market by Power Supply
 - 8.5.1 Captive Generation
 - 8.5.1.1 Historical Trend (2018-2022)
 - 8.5.1.2 Forecast Trend (2023-2028)
 - 8.5.2 Wind Power
 - 8.5.2.1 Historical Trend (2018-2022)
 - 8.5.2.2 Forecast Trend (2023-2028)
 - 8.5.3 Tidal Power
 - 8.5.3.1 Historical Trend (2018-2022)
 - 8.5.3.2 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

- 8.5.4 Solar Power
 - 8.5.4.1 Historical Trend (2018-2022)
 - 8.5.4.2 Forecast Trend (2023-2028)
- 8.5.5 Others
- 8.6 Global Power Grid System Market by Region
 - 8.6.1 North America
 - 8.6.1.1 Historical Trend (2018-2022)
 - 8.6.1.2 Forecast Trend (2023-2028)
 - 8.6.2 Europe
 - 8.6.2.1 Historical Trend (2018-2022)
 - 8.6.2.2 Forecast Trend (2023-2028)
 - 8.6.3 Asia Pacific
 - 8.6.3.1 Historical Trend (2018-2022)
 - 8.6.3.2 Forecast Trend (2023-2028)
 - 8.6.4 Latin America
 - 8.6.4.1 Historical Trend (2018-2022)
 - 8.6.4.2 Forecast Trend (2023-2028)
 - 8.6.5 Middle East and Africa
 - 8.6.5.1 Historical Trend (2018-2022)
 - 8.6.5.2 Forecast Trend (2023-2028)
- 9 North America Power Grid System Market Analysis
 - 9.1 United States of America
 - 9.1.1 Historical Trend (2018-2022)
 - 9.1.2 Forecast Trend (2023-2028)
 - 9.2 Canada
 - 9.2.1 Historical Trend (2018-2022)
 - 9.2.2 Forecast Trend (2023-2028)
- 10 Europe Power Grid System Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Historical Trend (2018-2022)
 - 10.1.2 Forecast Trend (2023-2028)
 - 10.2 Germany
 - 10.2.1 Historical Trend (2018-2022)
 - 10.2.2 Forecast Trend (2023-2028)
 - 10.3 France
 - 10.3.1 Historical Trend (2018-2022)
 - 10.3.2 Forecast Trend (2023-2028)
 - 10.4 Italy
 - 10.4.1 Historical Trend (2018-2022)
 - 10.4.2 Forecast Trend (2023-2028)
 - 10.5 Others
- 11 Asia Pacific Power Grid System Market Analysis
 - 11.1 China
 - 11.1.1 Historical Trend (2018-2022)
 - 11.1.2 Forecast Trend (2023-2028)
 - 11.2 Japan
 - 11.2.1 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

- 11.2.2 Forecast Trend (2023-2028)
 - 11.3 India
 - 11.3.1 Historical Trend (2018-2022)
 - 11.3.2 Forecast Trend (2023-2028)
 - 11.4 ASEAN
 - 11.4.1 Historical Trend (2018-2022)
 - 11.4.2 Forecast Trend (2023-2028)
 - 11.5 Australia
 - 11.5.1 Historical Trend (2018-2022)
 - 11.5.2 Forecast Trend (2023-2028)
 - 11.6 Others
- 12 Latin America Power Grid System Market Analysis
 - 12.1 Brazil
 - 12.1.1 Historical Trend (2018-2022)
 - 12.1.2 Forecast Trend (2023-2028)
 - 12.2 Argentina
 - 12.2.1 Historical Trend (2018-2022)
 - 12.2.2 Forecast Trend (2023-2028)
 - 12.3 Mexico
 - 12.3.1 Historical Trend (2018-2022)
 - 12.3.2 Forecast Trend (2023-2028)
 - 12.4 Others
- 13 Middle East and Africa Power Grid System Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Historical Trend (2018-2022)
 - 13.1.2 Forecast Trend (2023-2028)
 - 13.2 United Arab Emirate
 - 13.2.1 Historical Trend (2018-2022)
 - 13.2.2 Forecast Trend (2023-2028)
 - 13.3 Nigeria
 - 13.3.1 Historical Trend (2018-2022)
 - 13.3.2 Forecast Trend (2023-2028)
 - 13.4 South Africa
 - 13.4.1 Historical Trend (2018-2022)
 - 13.4.2 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

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 14.2.5 Threat of Substitutes
- 14.3 Key Indicators for Demand
- 14.4 Key Indicators for Price
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Company Profiles
 - 15.2.1 ABB Ltd
 - 15.2.1.1 Company Overview
 - 15.2.1.2 Product Portfolio
 - 15.2.1.3 Demographic Reach and Achievements
 - 15.2.1.4 Certifications
 - 15.2.2 Itron, Inc.
 - 15.2.2.1 Company Overview
 - 15.2.2.2 Product Portfolio
 - 15.2.2.3 Demographic Reach and Achievements
 - 15.2.2.4 Certifications
 - 15.2.3 Siemens AG.
 - 15.2.3.1 Company Overview
 - 15.2.3.2 Product Portfolio
 - 15.2.3.3 Demographic Reach and Achievements
 - 15.2.3.4 Certifications
 - 15.2.4 General Electric Company
 - 15.2.4.1 Company Overview
 - 15.2.4.2 Product Portfolio
 - 15.2.4.3 Demographic Reach and Achievements
 - 15.2.4.4 Certifications
 - 15.2.5 Honeywell International Inc.
 - 15.2.5.1 Company Overview
 - 15.2.5.2 Product Portfolio
 - 15.2.5.3 Demographic Reach and Achievements
 - 15.2.5.4 Certifications
 - 15.2.6 Schneider Electric SE
 - 15.2.6.1 Company Overview
 - 15.2.6.2 Product Portfolio
 - 15.2.6.3 Demographic Reach and Achievements
 - 15.2.6.4 Certifications
 - 15.2.7 Belden Inc.
 - 15.2.7.1 Company Overview
 - 15.2.7.2 Product Portfolio
 - 15.2.7.3 Demographic Reach and Achievements
 - 15.2.7.4 Certifications
 - 15.2.8 Wipro Limited
 - 15.2.8.1 Company Overview
 - 15.2.8.2 Product Portfolio
 - 15.2.8.3 Demographic Reach and Achievements
 - 15.2.8.4 Certifications
 - 15.2.9 NKT A/S

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 15.2.9.1 Company Overview
- 15.2.9.2 Product Portfolio
- 15.2.9.3 Demographic Reach and Achievements
- 15.2.9.4 Certifications
- 15.2.10 Others
- 16 Key Trends and Developments in the Market

Global Power Grid System Market Report and Forecast 2023-2028

Market Report | 2023-07-21 | 182 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@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-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="2025-06-25"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com