

Japan Power EPC - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 95 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Japan Power EPC Market is expected to register a CAGR of greater than 4% during the forecast period.

In 2020, COVID-19 had a detrimental effect on the market. Presently, the market has reached pre-pandemic levels.

Key Highlights

- Over the medium term, factors such as increased investment in renewable energy are likely to propel the demand for power EPC in the forecast period. Increased investment in smart grid deployment is anticipated to drive the power EPC market in the forecast period.
- On the other hand, the high volatility of fuel prices such as coal and gas is anticipated to restrain the Japan power EPC market during the forecast period.
- Nevertheless, digitalization in the electricity sector in Japan has witnessed significant growth in the last few years. Generation, distribution, consumption, and smart energy production are expected to undergo enormous revolutionary changes due to big data, IoT, cloud computing, and machine learning technologies, resulting in a stable and reliable power supply, which is likely to provide a significant opportunity for the power EPC contractors.

Japan Power EPC Market Trends

Renewables Segment to Witness Significant Growth

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- Renewable power sources are gaining importance as clean energy sources in the country; Japan depends heavily on non-renewable energy sources, like coal and gas, for power generation. Renewable power provides energy security without being dependent on limited natural resources.
- The increased investment in renewable energy projects from private companies and supportive government policies are likely to boost the demand for power EPC services in Japan during the forecast period. Rapid technology improvements, decreasing costs of renewable energy resources, and increased battery storage competitiveness have made renewables one of the most competitive energy sources in many areas.
- For instance, in 2022, the total renewable energy installed capacity of Japan accounted for 117,528 MW, which was greater than 111,856 MW as compared to the previous year's capacity. Thus, with the increase in installation capacity, investments in renewable energy projects are likely to increase, which, in turn, will create demand for the EPC market in the future.
- Furthermore, the government of Japan has set a net zero emission target to be achieved by 2050. The ambitious target has led to a significant increase in renewable energy projects in the country, and mainly solar projects have witnessed significant investment in the last few years.
- For instance, in April 2022, Japanese utility Jera Co., Inc. and domestic renewable engineering firm West Holdings finalized a deal for developing and constructing at least 1 GW of solar projects on the local market. Under the agreement, the tie-up was expected to install photovoltaic (PV) parks at new and former power plant sites owned by the Tokyo-based electric company, and the work was to be carried out over four years.
- All these initiatives will likely boost the number of renewable energy projects in the country in the near future, providing a significant opportunity for power EPC companies as the renewable energy projects are located in off-grid locations that need to be connected with the national grid. Hence, the rise in the renewable energy segment is expected to witness significant growth in the power EPC market in Japan during the forecast period.

Increase Investment in Smart Grid Network

- In the last few years, there has been a rise in investment in smart grids; this can be attributed to the aging grid network in Japan. Furthermore, Japan witnessed more earthquakes than other countries due to its location, affecting the power networks.
- According to Japan's Infrastructure Ministry, the cost of maintaining and fixing old infrastructure could swell to USD 41.4 billion by 2023. Thus, the government aims to deploy smart and advanced grid connections in the country, providing stable and reliable electricity all across the country.
- The smart grid helps ensure the safer and more secure delivery of electricity. It provides the foundation for new market structures and a higher quality of service to customers. In addition, smart grids are critical enablers of greenhouse gas (GHG) mitigation as they increase the hosting capacity of renewable generation, improve asset utilization, and increase resiliency.
- Moreover, the electricity industry in Japan sees the smart grid as a suite of information-based applications made possible by increased automation of the grid as well as the underlying automation and communication infrastructure itself.
- Furthermore, Japan witnessed a steady rise in demand for electricity in the country. In 2020, the country generated 997.0 terawatt-hours of electricity, and in 2021, it increased by 1019.7 terawatt-hours, which was 2.6% higher than in 2020.
- Further, due to advancements in technology used in manufacturing, demand from the industrial and commercial sectors is likely to increase in the near future. All these sectors need a steady power supply, and a smart grid could play a vital role.
- Increased investment in the smart grid project would lead to higher demand for power EPC services, fueling the power EPC market in Japan during the forecast period.

Japan Power EPC Industry Overview

Japan's power EPC market is moderately fragmented. Some of the key players in the market (not in a particular order) include

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Shizen Energy Inc., Electric Power Development Co., Ltd., Juwi GmbH, Sumitomo Corporation, and Toshiba Energy Systems & Solutions Corporation.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Scope of Study

1.2 Market Definition

1.3 Study Assumptions

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

4.1 Introduction

4.2 Market Size and Demand Forecast in USD billion, till 2028

4.3 Recent Trends and Developments

4.4 Government Policies and Regulations

4.5 Market Dynamics

4.5.1 Drivers

4.5.2 Restraints

4.6 Supply Chain Analysis

4.7 PESTLE Analysis

5 MARKET SEGMENTATION

5.1 Power Generation

5.1.1 Thermal

5.1.2 Hydroelectric

5.1.3 Nuclear

5.1.4 Renewables

5.2 Power Transmission and Distribution (T&D) - (Qualitative Analysis Only)

6 COMPETITIVE LANDSCAPE

6.1 Mergers & Acquisitions, Joint Ventures, Collaborations, and Agreements

6.2 Strategies Adopted by Leading Players

6.3 Company Profiles

6.3.1 SHIZEN ENERGY Inc.

6.3.2 Electric Power Development Co.,Ltd.

6.3.3 JUWI GmbH

6.3.4 Sumitomo Corporation

6.3.5 Toshiba Energy Systems & Solutions Corporation

6.3.6 Kansai Electric Power CO. INC.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

6.3.7 Marubeni Corporation

6.3.8 Sunseap

6.3.9 JFE Technos Co.,

6.3.10 Pacifico Energy K.K.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Japan Power EPC - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 95 pages | Mordor Intelligence

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	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		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="2026-02-28"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

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

www.scott's-international.com

