

# **Power Generation Rental Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application**

<https://marketpublishers.com/r/PF831CB752C8EN.html>

Date: July 2025

Pages: 98

Price: US\$ 3,200.00 (Single User License)

ID: PF831CB752C8EN

## **Abstracts**

Power Generation Rental Market Summary

### **Introduction**

Power Generation Rental involves leasing generators and related equipment for temporary power needs in construction, industrial, government, entertainment, and other applications. The industry is characterized by its flexibility, rapid deployment, and ability to provide reliable power solutions in remote or emergency settings. Key trends include the adoption of hybrid and renewable energy generators, advanced telematics for monitoring, and compact designs for portability. The market is propelled by infrastructure projects, disaster recovery needs, and industrial growth, particularly in North America and Asia Pacific, with increasing demand for sustainable power solutions.

### **Market Size and Growth Forecast**

The global Power Generation Rental market was valued at USD 7.1–12.7 billion in 2024, with an estimated CAGR of 5.3%–7.3% from 2025 to 2030, driven by construction and industrial demands.

### **Regional Analysis**

North America is projected to grow at a CAGR of 5.0%–7.0%, with the U.S. leading due to its construction and disaster recovery needs, focusing on hybrid generators.

Europe is expected to achieve a CAGR of 4.8%–6.8%, with the UK driving demand through its emphasis on renewable energy rentals.

Asia Pacific is anticipated to record the highest growth at 5.5%–7.5%, led by China and India, where industrial and infrastructure projects fuel demand, with trends toward portable generators.

Rest of the World, particularly Brazil, is expected to grow at 4.5%–6.5%, with trends toward government and entertainment applications.

### **Application Analysis**

Construction applications are estimated to grow at a CAGR of 5.3%–7.3%, driven by infrastructure projects, with trends toward hybrid generators.

Industrial applications are projected to grow at 5.0%–7.0%, supported by manufacturing growth, with innovations in telematics.

Government and entertainment applications are expected to grow at 4.8%–6.8%, with trends toward portable and renewable energy solutions.

Other applications, including emergency power, are projected to grow at 4.5%–6.5%, with trends toward compact designs.

### **Key Market Players**

Caterpillar, headquartered in Deerfield, Illinois, USA, offers generator rentals for construction, known for its reliable power solutions.

Komatsu, based in Tokyo, Japan, provides generator rentals for industrial applications, emphasizing durability.

John Deere, headquartered in Moline, Illinois, USA, offers rentals for government projects, focusing on fuel efficiency.

XCMG, based in Xuzhou, China, provides generator rentals for infrastructure, known for its cost-competitive designs.

Volvo, headquartered in Gothenburg, Sweden, offers rentals for entertainment,

emphasizing eco-friendly solutions.

Hitachi Construction Machinery, based in Tokyo, Japan, provides rentals for industrial applications, focusing on robust engineering.

Liebherr, headquartered in Bulle, Switzerland, offers generator rentals for construction, known for its high-capacity systems.

JCB, based in Rocester, UK, provides rentals for entertainment, emphasizing portable designs.

HD Hyundai Infracore, headquartered in Seoul, South Korea, offers rentals for industrial projects, known for its advanced systems.

Astra Veicoli Industriali S.p.A., based in Piacenza, Italy, provides rentals for construction, focusing on durable solutions.

### **Porter's Five Forces Analysis**

The threat of new entrants is moderate; moderate capital costs attract regional players, but established fleets create barriers.

The threat of substitutes is low; permanent power solutions are less flexible for temporary needs.

Buyer power is high; customers compare pricing across providers, increasing competition.

Supplier power is low; generator components are widely available, reducing supplier influence.

Competitive rivalry is high; players differentiate through hybrid solutions, digital monitoring, and global networks.

### **Market Opportunities and Challenges**

#### Opportunities

Global infrastructure projects drive demand for power generation rentals.

Adoption of hybrid and renewable generators enhances market potential.

Emerging markets in Asia Pacific offer growth due to industrial expansion.

## Challenges

High maintenance costs for advanced generators impact profitability.

Economic fluctuations affect rental demand in construction.

Regulatory compliance for emissions increases operational costs.

## Growth Trend Analysis

The Power Generation Rental market is growing steadily, driven by construction and industrial demands. On July 9, 2024, Solaris Oilfield Infrastructure acquired Mobile Energy Rentals for USD 200 million, enhancing its distributed power solutions. On July 12, 2024, Aggreko acquired Infiniti Energy, expanding its solar rental offerings. On August 26, 2024, ITOCHU's subsidiary TRENDE acquired ONE Energy's energy storage and solar rental businesses. On September 3, 2024, Generator Rental Services Limited was acquired, strengthening specialty power rental solutions. On January 22, 2025, T&T Power Group acquired All Generator Solutions Inc., expanding in Canada. On February 19, 2025, Sandbrook Capital acquired Intellirent, a leading power equipment rental provider. On April 28, 2025, Flotek acquired ProFrac's mobile power generation assets, securing a USD 160 million revenue backlog. On May 5, 2025, ProFrac sold its mobile power generation assets to Flotek for USD 105 million. These developments align with a projected CAGR of 5.3%–7.3% through 2030, reflecting the industry's focus on sustainability and flexibility.

## Contents

### **CHAPTER 1 EXECUTIVE SUMMARY**

### **CHAPTER 2 ABBREVIATION AND ACRONYMS**

### **CHAPTER 3 PREFACE**

3.1 Research Scope

3.2 Research Sources

3.2.1 Data Sources

3.2.2 Assumptions

3.3 Research Method

Chapter Four Market Landscape

4.1 Market Overview

4.2 Classification/Types

4.3 Application/End Users

### **CHAPTER 5 MARKET TREND ANALYSIS**

5.1 Introduction

5.2 Drivers

5.3 Restraints

5.4 Opportunities

5.5 Threats

### **CHAPTER 6 INDUSTRY CHAIN ANALYSIS**

6.1 Upstream/Suppliers Analysis

6.2 Power Generation Rental Analysis

6.2.1 Technology Analysis

6.2.2 Cost Analysis

6.2.3 Market Channel Analysis

6.3 Downstream Buyers/End Users

### **CHAPTER 7 LATEST MARKET DYNAMICS**

7.1 Latest News

7.2 Merger and Acquisition

- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

## **CHAPTER 8 HISTORICAL AND FORECAST POWER GENERATION RENTAL MARKET IN NORTH AMERICA (2020-2030)**

- 8.1 Power Generation Rental Market Size
- 8.2 Power Generation Rental Market by End Use
- 8.3 Competition by Players/Suppliers
- 8.4 Power Generation Rental Market Size by Type
- 8.5 Key Countries Analysis
  - 8.5.1 United States
  - 8.5.2 Canada
  - 8.5.3 Mexico

## **CHAPTER 9 HISTORICAL AND FORECAST POWER GENERATION RENTAL MARKET IN SOUTH AMERICA (2020-2030)**

- 9.1 Power Generation Rental Market Size
- 9.2 Power Generation Rental Market by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Power Generation Rental Market Size by Type
- 9.5 Key Countries Analysis
  - 9.5.1 Brazil
  - 9.5.2 Argentina
  - 9.5.3 Chile
  - 9.5.4 Peru

## **CHAPTER 10 HISTORICAL AND FORECAST POWER GENERATION RENTAL MARKET IN ASIA & PACIFIC (2020-2030)**

- 10.1 Power Generation Rental Market Size
- 10.2 Power Generation Rental Market by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Power Generation Rental Market Size by Type
- 10.5 Key Countries Analysis
  - 10.5.1 China
  - 10.5.2 India
  - 10.5.3 Japan

- 10.5.4 South Korea
- 10.5.5 Southeast Asia
- 10.5.6 Australia

## **CHAPTER 11 HISTORICAL AND FORECAST POWER GENERATION RENTAL MARKET IN EUROPE (2020-2030)**

- 11.1 Power Generation Rental Market Size
- 11.2 Power Generation Rental Market by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Power Generation Rental Market Size by Type
- 11.5 Key Countries Analysis
  - 11.5.1 Germany
  - 11.5.2 France
  - 11.5.3 United Kingdom
  - 11.5.4 Italy
  - 11.5.5 Spain
  - 11.5.6 Belgium
  - 11.5.7 Netherlands
  - 11.5.8 Austria
  - 11.5.9 Poland
  - 11.5.10 Russia

## **CHAPTER 12 HISTORICAL AND FORECAST POWER GENERATION RENTAL MARKET IN MEA (2020-2030)**

- 12.1 Power Generation Rental Market Size
- 12.2 Power Generation Rental Market by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Power Generation Rental Market Size by Type
- 12.5 Key Countries Analysis
  - 12.5.1 Egypt
  - 12.5.2 Israel
  - 12.5.3 South Africa
  - 12.5.4 Gulf Cooperation Council Countries
  - 12.5.5 Turkey

## **CHAPTER 13 SUMMARY FOR GLOBAL POWER GENERATION RENTAL MARKET (2020-2025)**

- 13.1 Power Generation Rental Market Size
- 13.2 Power Generation Rental Market by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Power Generation Rental Market Size by Type

## **CHAPTER 14 GLOBAL POWER GENERATION RENTAL MARKET FORECAST (2025-2030)**

- 14.1 Power Generation Rental Market Size Forecast
- 14.2 Power Generation Rental Application Forecast
- 14.3 Competition by Players/Suppliers
- 14.4 Power Generation Rental Type Forecast

## **CHAPTER 15 ANALYSIS OF GLOBAL KEY VENDORS**

- 15.1 Caterpillar
  - 15.1.1 Company Profile
  - 15.1.2 Main Business and Power Generation Rental Information
  - 15.1.3 SWOT Analysis of Caterpillar
  - 15.1.4 Caterpillar Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)
- 15.2 Komatsu
  - 15.2.1 Company Profile
  - 15.2.2 Main Business and Power Generation Rental Information
  - 15.2.3 SWOT Analysis of Komatsu
  - 15.2.4 Komatsu Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)
- 15.3 John Deere
  - 15.3.1 Company Profile
  - 15.3.2 Main Business and Power Generation Rental Information
  - 15.3.3 SWOT Analysis of John Deere
  - 15.3.4 John Deere Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)
- 15.4 XCMG
  - 15.4.1 Company Profile
  - 15.4.2 Main Business and Power Generation Rental Information
  - 15.4.3 SWOT Analysis of XCMG
  - 15.4.4 XCMG Power Generation Rental Revenue, Gross Margin and Market Share

(2020-2025)

#### 15.5 Volvo

15.5.1 Company Profile

15.5.2 Main Business and Power Generation Rental Information

15.5.3 SWOT Analysis of Volvo

15.5.4 Volvo Power Generation Rental Revenue, Gross Margin and Market Share

(2020-2025)

#### 15.6 Hitachi Construction Machinery

15.6.1 Company Profile

15.6.2 Main Business and Power Generation Rental Information

15.6.3 SWOT Analysis of Hitachi Construction Machinery

15.6.4 Hitachi Construction Machinery Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)

#### 15.7 Liebherr

15.7.1 Company Profile

15.7.2 Main Business and Power Generation Rental Information

15.7.3 SWOT Analysis of Liebherr

15.7.4 Liebherr Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)

#### 15.8 JCB

15.8.1 Company Profile

15.8.2 Main Business and Power Generation Rental Information

15.8.3 SWOT Analysis of JCB

15.8.4 JCB Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)

#### 15.9 HD Hyundai Infracore

15.9.1 Company Profile

15.9.2 Main Business and Power Generation Rental Information

15.9.3 SWOT Analysis of HD Hyundai Infracore

15.9.4 HD Hyundai Infracore Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)

#### 15.10 Astra Veicoli Industriali S.p.A.

15.10.1 Company Profile

15.10.2 Main Business and Power Generation Rental Information

15.10.3 SWOT Analysis of Astra Veicoli Industriali S.p.A.

15.10.4 Astra Veicoli Industriali S.p.A. Power Generation Rental Revenue, Gross Margin and Market Share (2020-2025)

Please ask for sample pages for full companies list

## Tables & Figures

### TABLES AND FIGURES

Table Abbreviation and Acronyms

Table Research Scope of Power Generation Rental Report

Table Data Sources of Power Generation Rental Report

Table Major Assumptions of Power Generation Rental Report

Figure Market Size Estimated Method

Figure Major Forecasting Factors

Figure Power Generation Rental Picture

Table Power Generation Rental Classification

Table Power Generation Rental Applications

Table Drivers of Power Generation Rental Market

Table Restraints of Power Generation Rental Market

Table Opportunities of Power Generation Rental Market

Table Threats of Power Generation Rental Market

Table Covid-19 Impact For Power Generation Rental Market

Table Raw Materials Suppliers

Table Different Production Methods of Power Generation Rental

Table Cost Structure Analysis of Power Generation Rental

Table Key End Users

Table Latest News of Power Generation Rental Market

Table Merger and Acquisition

Table Planned/Future Project of Power Generation Rental Market

Table Policy of Power Generation Rental Market

Table 2020-2030 North America Power Generation Rental Market Size

Figure 2020-2030 North America Power Generation Rental Market Size and CAGR

Table 2020-2030 North America Power Generation Rental Market Size by Application

Table 2020-2025 North America Power Generation Rental Key Players Revenue

Table 2020-2025 North America Power Generation Rental Key Players Market Share

Table 2020-2030 North America Power Generation Rental Market Size by Type

Table 2020-2030 United States Power Generation Rental Market Size

Table 2020-2030 Canada Power Generation Rental Market Size

Table 2020-2030 Mexico Power Generation Rental Market Size

Table 2020-2030 South America Power Generation Rental Market Size

Figure 2020-2030 South America Power Generation Rental Market Size and CAGR

Table 2020-2030 South America Power Generation Rental Market Size by Application

Table 2020-2025 South America Power Generation Rental Key Players Revenue

Table 2020-2025 South America Power Generation Rental Key Players Market Share  
Table 2020-2030 South America Power Generation Rental Market Size by Type  
Table 2020-2030 Brazil Power Generation Rental Market Size  
Table 2020-2030 Argentina Power Generation Rental Market Size  
Table 2020-2030 Chile Power Generation Rental Market Size  
Table 2020-2030 Peru Power Generation Rental Market Size  
Table 2020-2030 Asia & Pacific Power Generation Rental Market Size  
Figure 2020-2030 Asia & Pacific Power Generation Rental Market Size and CAGR  
Table 2020-2030 Asia & Pacific Power Generation Rental Market Size by Application  
Table 2020-2025 Asia & Pacific Power Generation Rental Key Players Revenue  
Table 2020-2025 Asia & Pacific Power Generation Rental Key Players Market Share  
Table 2020-2030 Asia & Pacific Power Generation Rental Market Size by Type  
Table 2020-2030 China Power Generation Rental Market Size  
Table 2020-2030 India Power Generation Rental Market Size  
Table 2020-2030 Japan Power Generation Rental Market Size  
Table 2020-2030 South Korea Power Generation Rental Market Size  
Table 2020-2030 Southeast Asia Power Generation Rental Market Size  
Table 2020-2030 Australia Power Generation Rental Market Size  
Table 2020-2030 Europe Power Generation Rental Market Size  
Figure 2020-2030 Europe Power Generation Rental Market Size and CAGR  
Table 2020-2030 Europe Power Generation Rental Market Size by Application  
Table 2020-2025 Europe Power Generation Rental Key Players Revenue  
Table 2020-2025 Europe Power Generation Rental Key Players Market Share  
Table 2020-2030 Europe Power Generation Rental Market Size by Type  
Table 2020-2030 Germany Power Generation Rental Market Size  
Table 2020-2030 France Power Generation Rental Market Size  
Table 2020-2030 United Kingdom Power Generation Rental Market Size  
Table 2020-2030 Italy Power Generation Rental Market Size  
Table 2020-2030 Spain Power Generation Rental Market Size  
Table 2020-2030 Belgium Power Generation Rental Market Size  
Table 2020-2030 Netherlands Power Generation Rental Market Size  
Table 2020-2030 Austria Power Generation Rental Market Size  
Table 2020-2030 Poland Power Generation Rental Market Size  
Table 2020-2030 Russia Power Generation Rental Market Size  
Table 2020-2030 MEA Power Generation Rental Market Size  
Figure 2020-2030 MEA Power Generation Rental Market Size and CAGR  
Table 2020-2030 MEA Power Generation Rental Market Size by Application  
Table 2020-2025 MEA Power Generation Rental Key Players Revenue  
Table 2020-2025 MEA Power Generation Rental Key Players Market Share

Table 2020-2030 MEA Power Generation Rental Market Size by Type  
Table 2020-2030 Egypt Power Generation Rental Market Size  
Table 2020-2030 Israel Power Generation Rental Market Size  
Table 2020-2030 South Africa Power Generation Rental Market Size  
Table 2020-2030 Gulf Cooperation Council Countries Power Generation Rental Market Size  
Table 2020-2030 Turkey Power Generation Rental Market Size  
Table 2020-2025 Global Power Generation Rental Market Size by Region  
Table 2020-2025 Global Power Generation Rental Market Size Share by Region  
Table 2020-2025 Global Power Generation Rental Market Size by Application  
Table 2020-2025 Global Power Generation Rental Market Share by Application  
Table 2020-2025 Global Power Generation Rental Key Vendors Revenue  
Figure 2020-2025 Global Power Generation Rental Market Size and Growth Rate  
Table 2020-2025 Global Power Generation Rental Key Vendors Market Share  
Table 2020-2025 Global Power Generation Rental Market Size by Type  
Table 2020-2025 Global Power Generation Rental Market Share by Type  
Table 2025-2030 Global Power Generation Rental Market Size by Region  
Table 2025-2030 Global Power Generation Rental Market Size Share by Region  
Table 2025-2030 Global Power Generation Rental Market Size by Application  
Table 2025-2030 Global Power Generation Rental Market Share by Application  
Table 2025-2030 Global Power Generation Rental Key Vendors Revenue  
Figure 2025-2030 Global Power Generation Rental Market Size and Growth Rate  
Table 2025-2030 Global Power Generation Rental Key Vendors Market Share  
Table 2025-2030 Global Power Generation Rental Market Size by Type  
Table 2025-2030 Power Generation Rental Global Market Share by Type

## I would like to order

Product name: Power Generation Rental Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application

Product link: <https://marketpublishers.com/r/PF831CB752C8EN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PF831CB752C8EN.html>