

Power Rental Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

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Abstracts

The Global Power Rental Market, valued at USD 17.8 billion in 2024, is projected to grow at a CAGR of 3.9% from 2025 to 2034. The rising reliance on uninterrupted communication and information-sharing systems has significantly increased the demand for rental power solutions, particularly gensets. Frequent power outages caused by natural disasters have further driven the adoption of these solutions, ensuring a reliable power supply in critical situations.

Power rental services offer a cost-effective and flexible option for addressing temporary or supplementary power needs. Businesses across various sectors increasingly rely on these solutions to ensure operational continuity during planned maintenance or unexpected outages. Gensets provide scalability, allowing companies to adjust their power capacity as required, enhancing efficiency and reducing capital expenses.

The segment of power rental systems with capacities between 75 kVA and 375 kVA is expected to surpass USD 8 billion by 2034. Growing energy demands from key industries are driving the deployment of these units. Furthermore, initiatives promoting digital transformation are enhancing the adoption of power rental services. The industry's focus on innovative technologies and operational efficiency is expected to support sustained growth.

The diesel-based power rental market is anticipated to grow at over 3.5% CAGR during the forecast period. Expanding infrastructure in developing regions and the rising demand for dependable power sources have created lucrative opportunities. Continuous investment in modernizing infrastructure and overcoming power-related challenges will be pivotal in boosting the market's expansion.

In the U.S., the power rental market is forecasted to exceed USD 5 billion by 2034. Increased electrification efforts and the need for reliable backup systems are driving growth. Enhancements to aging grid systems and the growing frequency of extreme weather events further contribute to the demand for power rental solutions.

In the Asia Pacific region, the rapid development of infrastructure, including residential buildings and retail spaces, is significantly fueling the demand for stable power sources. The need for fast, reliable, and efficient power solutions has gained prominence, driven by increasing construction activities and operational requirements. Enhanced reliance on power rental systems to ensure continuous operation at various sites strengthens the market landscape.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's Analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL Analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY POWER RATING, 2021 – 2034 (USD MILLION)

- 5.1 Key trends
- 5.2 ? 75 kVA
- 5.3 > 75 kVA - 375 kVA
- 5.4 > 375 kVA - 750 kVA
- 5.5 > 750 kVA

CHAPTER 6 MARKET SIZE AND FORECAST, BY FUEL, 2021 – 2034 (USD MILLION)

- 6.1 Key trends
- 6.2 Diesel
- 6.3 Gas
- 6.4 Others

CHAPTER 7 MARKET SIZE AND FORECAST, BY END USE, 2021 – 2034 (USD MILLION)

- 7.1 Key trends
- 7.2 Telecom
- 7.3 Data center
- 7.4 Healthcare
- 7.5 Oil & gas
- 7.6 Electric utilities
- 7.7 Offshore
- 7.8 Manufacturing
- 7.9 Construction
- 7.10 Mining
- 7.11 Marine
- 7.12 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (USD MILLION)

- 8.1 Key trends
- 8.2 Standby

8.3 Peak shaving

8.4 Prime/continuous

CHAPTER 9 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (USD MILLION)

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 Russia

9.3.2 UK

9.3.3 Germany

9.3.4 France

9.3.5 Spain

9.3.6 Austria

9.3.7 Italy

9.4 Asia Pacific

9.4.1 China

9.4.2 Australia

9.4.3 India

9.4.4 Japan

9.4.5 South Korea

9.4.6 Indonesia

9.4.7 Malaysia

9.4.8 Thailand

9.4.9 Vietnam

9.4.10 Philippines

9.5 Middle East

9.5.1 Saudi Arabia

9.5.2 UAE

9.5.3 Qatar

9.5.4 Turkey

9.5.5 Iran

9.5.6 Oman

9.6 Africa

9.6.1 Egypt

9.6.2 Nigeria

- 9.6.3 Algeria
- 9.6.4 South Africa
- 9.6.5 Angola
- 9.6.6 Kenya
- 9.6.7 Mozambique

9.7 Latin America

- 9.7.1 Brazil
- 9.7.2 Mexico
- 9.7.3 Argentina
- 9.7.4 Chile

CHAPTER 10 COMPANY PROFILES

- 10.1 Aggreko
- 10.2 Al Faris Group
- 10.3 Ashtead Group
- 10.4 Atlas Copco
- 10.5 APR Energy
- 10.6 Bredenoord
- 10.7 Byrne Equipment Rental
- 10.8 Caterpillar
- 10.9 Cummins
- 10.10 Energyst
- 10.11 Generac Power Systems
- 10.12 GMMCO Limited
- 10.13 Herc Rentals
- 10.14 HIMOINSA
- 10.15 Kohler-SDMO
- 10.16 Modern Hiring Service
- 10.17 Perennial Technologies
- 10.18 Perfect Hiring Services
- 10.19 Shenton Group
- 10.20 Sudhir Power
- 10.21 United Rentals
- 10.22 Wagner Equipment

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