

# **Asia Pacific Standby Generator Sets Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032**

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## **Abstracts**

Asia Pacific Standby Generator Sets Market was valued at USD 12.4 billion in 2023. Projections indicate a growth of 7.1% CAGR from 2024 to 2032. Factors, such as natural disasters, frequent electricity outages, and an increasing reliance on technology are underscoring the rising demand for uninterrupted power supply. For instance, in January 2024, a magnitude 7.5 earthquake struck near Japan's northern coast, highlighting the region's vulnerability. Standby generators serve as crucial backup power systems, automatically providing electricity during outages to homes, businesses, and essential facilities. Permanently installed and directly linked to a building's electrical system, they ensure a smooth transition when the primary power source fails. Powered by various fuels, these systems are vital for operations where continuous power is paramount. Rapid industrialization and a flourishing commercial sector are driving significant growth in the standby generator sets market. Urbanization, population growth, and an escalating need for uninterrupted power are fueling this demand. Moreover, investments in residential infrastructure and the challenge of frequent power outages will further bolster the market expansion. As consumers become more aware of power backup solutions, the demand for enhanced comfort and security in homes and businesses is also on the rise. The overall industry is divided into power rating, fuel, application, and country. The market for standby generator sets rated between 50 kVA and 150 kVA is projected to exceed USD 6 billion by 2032. This growth is largely attributed to the rising demand for backup power solutions that can handle larger loads, especially in commercial and industrial sectors. Valued for their durability, efficiency, and high-power output, these generators are increasingly becoming the go-to choice for emergency power needs. Furthermore, technological advancements like real-time performance monitoring and remote operation capabilities are set to boost their adoption. Forecasted to grow at a

rate exceeding 6.5% through 2032, the diesel standby generator sets market is responding to the rising frequency of power outages. Factors, such as grid instability, natural disasters, and aging infrastructure have led both businesses and homeowners to invest in diesel generators for assured operational continuity and safety. Moreover, advancements in diesel engine technology are not only enhancing fuel efficiency but also curbing emissions, amplifying product penetration.

China standby generator sets market is on track to exceed USD 7.5 billion by 2032. The rapid growth in commercial and office complexes, alongside expanding production plants, is a significant driver. The widespread adoption of standby generators to ensure consistent operations and minimize downtime across various sectors will further support this growth. Additionally, with rising environmental concerns and government regulations advocating for cleaner energy solutions, the industry dynamics are poised for a positive shift.

## 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 INDUSTRY INSIGHTS**

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
  - 2.3.1 Growth drivers
  - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's Analysis
  - 2.5.1 Bargaining power of suppliers
  - 2.5.2 Bargaining power of buyers
  - 2.5.3 Threat of new entrants
  - 2.5.4 Threat of substitutes
- 2.6 PESTEL Analysis

#### **CHAPTER 3 COMPETITIVE LANDSCAPE, 2024**

- 3.1 Strategic outlook
- 3.2 Innovation & sustainability landscape

#### **CHAPTER 4 MARKET SIZE AND FORECAST, BY POWER RATING (USD MILLION & UNITS)**

- 4.1 Key trends

- 4.2 ? 50 kVA
- 4.3 > 50 kVA - 150 kVA
- 4.4 > 150 kVA - 300 kVA
- 4.5 > 300 kVA - 500 kVA
- 4.6 > 500 kVA

## **CHAPTER 5 MARKET SIZE AND FORECAST, BY FUEL (USD MILLION & UNITS)**

- 5.1 Key trends
- 5.2 Diesel
- 5.3 Gas
- 5.4 Others

## **CHAPTER 6 MARKET SIZE AND FORECAST, BY APPLICATION (USD MILLION & UNITS)**

- 6.1 Key trends
- 6.2 Residential
- 6.3 Commercial
- 6.4 Industrial

## **CHAPTER 7 MARKET SIZE AND FORECAST, BY COUNTRY (USD MILLION & UNITS)**

- 7.1 Key trends
- 7.2 China
- 7.3 Australia
- 7.4 India
- 7.5 Japan
- 7.6 South Korea
- 7.7 Indonesia
- 7.8 Malaysia
- 7.9 Thailand
- 7.10 Vietnam
- 7.11 Philippines
- 7.12 Myanmar
- 7.13 Bangladesh

## **CHAPTER 8 COMPANY PROFILES**

- 8.1 Ashok Leyland
- 8.2 Atlas Copco
- 8.3 Briggs & Stratton
- 8.4 Caterpillar
- 8.5 Cummins, Inc.
- 8.6 Eaton
- 8.7 Escorts Group
- 8.8 Generac Power Systems, Inc.
- 8.9 Gillette Generators
- 8.10 HIMOINSA
- 8.11 HIPOWER
- 8.12 Kirloskar
- 8.13 Kohler Co.
- 8.14 Mahindra Powerol
- 8.15 Powerica
- 8.16 Rolls-Royce plc

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