

# **Global Telecom Generator Market Size study & Forecast, by Fuel Type (Diesel, Gas, Others), by Power Rating (Below 75 kVA, 75-375 kVA, 375-750 kVA, Above 750 kVA), by Application (Continuous, Peak Load, Stand by) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/GBDD7DCE9BE6EN.html>

Date: February 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBDD7DCE9BE6EN

## **Abstracts**

Global Telecom Generator Market is valued at approximately USD 1.47 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 7.10% during the forecast period 2023-2030. A telecom generator is a specialized power generation system designed to provide backup electrical power to telecommunication infrastructure during instances of grid power failures or disruptions. These generators are typically fueled by diesel or other reliable energy sources and are strategically placed at key telecom sites to offer redundancy and reliability. The primary function of a telecom generator is to safeguard against service interruptions during power outages, natural disasters, or other emergencies, thereby contributing to the resilience and reliability of telecommunication services. The Telecom Generator Market is expanding because of factors such as the rising expansion of telecom networks, the rising number of power outage instances and the rising deployment of 5G base stations.

The rising deployment of 5G base stations is a key driver propelling the growth of the Telecom Generator Market. The implementation of 5G technology brings with it increased demands for network reliability and uninterrupted connectivity. 5G base stations require a continuous and stable power supply to ensure optimal performance, and any power disruption can lead to service outages. As 5G networks are deployed in diverse and often remote locations, the reliance on a reliable backup power source becomes crucial, leading to a rise in the demand for telecom generators. According to Statista, in December 2022 Number of 5G base transceiver stations in India stood at 36.5 thousand stations which increased to 116.2 thousand stations in March 2023.

Moreover, as per the same source, the number of 5G base stations in China stood at 1.43 million in the year 2021 which increased to 2.31 million stations in the year 2022. Thus, the rising number of 5G base stations is driving the market growth. In addition, technological advancements in generator systems and rising government investment in the expansion of telecom infrastructure are creating new opportunities for market growth. However, the availability of different alternatives and stringent environmental regulations for pollution and noise control stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Telecom Generator Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022. The market is being driven by factors such as the rising number of mobile internet users, expansion in telecom networks, rising government investment in the telecom industry, rising deployment of 5G networks and rising smartphone penetration in the region. Middle East and Africa are expected to grow at the fastest rate over the forecast period, owing to factors such as rising investments in 5G installation, rising investment for the development of base stations and active government participation in the industry.

Major market player included in this report are:

Emerson Network Power, Inc

Eaton Towers Limited

Bharti Infratel Ltd.

American Tower Corporation

Reliance Infratel Limited

GE Energy Infrastructure

Viom Networks Limited

GTL Infrastructure Ltd.

Indus Tower Ltd.

## SBA Communications Corporation

### Recent Developments in the Market:

In August 2022, Cummins announced a strategic collaboration with Grupel, a power gensets company based in Europe, to jointly develop and design a series of generator sets with capacities reaching up to 700 kVA. Tailored to meet the specific requirements of the European market, these product portfolios will be produced at Grupel's manufacturing facility in Vagos. This partnership marks a significant component of the expansion strategies for both companies, reflecting their shared commitment to advancing capabilities and addressing the evolving needs of the market.

### Global Telecom Generator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Fuel Type, Power Rating, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Fuel Type:

Diesel

Gas

Others

By Power Rating:

Below 75 kVA

75-375 kVA

375-750 kVA

Above 750 kVA

By Application:

Continuous

Peak Load

Stand by

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### **CHAPTER 1 EXECUTIVE SUMMARY**

- 1.1 Market Snapshot
- 1.2 Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1 Telecom Generator Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2 Telecom Generator Market, by Fuel Type, 2020-2030 (USD Billion)
  - 1.2.3 Telecom Generator Market, by Power Rating, 2020-2030 (USD Billion)
  - 1.2.4 Telecom Generator Market, by Application, 2020-2030 (USD Billion)
- 1.3 Key Trends
- 1.4 Estimation Methodology
- 1.5 Research Assumption

### **CHAPTER 2 GLOBAL TELECOM GENERATOR MARKET DEFINITION AND SCOPE**

- 2.1 Objective of the Study
- 2.2 Market Definition & Scope
  - 2.2.1 Industry Evolution
  - 2.2.2 Scope of the Study
- 2.3 Years Considered for the Study
- 2.4 Currency Conversion Rates

### **CHAPTER 3 GLOBAL TELECOM GENERATOR MARKET DYNAMICS**

- 3.1 Telecom Generator Market Impact Analysis (2020-2030)
  - 3.1.1 Market Drivers
    - 3.1.1.1 Increasing Expansion of Telecom Networks
    - 3.1.1.2 Rising Number of Power Outage Instances
    - 3.1.1.3 Rising deployment of 5G Base stations
  - 3.1.2 Market Challenges
    - 3.1.2.1 Availability of different alternatives
    - 3.1.2.2 Stringent Environmental Regulations for Pollution and Noise Control
  - 3.1.3 Market Opportunities
    - 3.1.3.1 Technological Advancements in Generator Systems
    - 3.1.3.2 Rising government investment in expansion of telecom infrastructure

### **CHAPTER 4 GLOBAL TELECOM GENERATOR MARKET INDUSTRY ANALYSIS**

- 4.1 Porter's 5 Force Model
  - 4.1.1 Bargaining Power of Suppliers
  - 4.1.2 Bargaining Power of Buyers
  - 4.1.3 Threat of New Entrants
  - 4.1.4 Threat of Substitutes
  - 4.1.5 Competitive Rivalry
- 4.2 Porter's 5 Force Impact Analysis
- 4.3 PEST Analysis
  - 4.3.1 Political
  - 4.3.2 Economical
  - 4.3.3 Social
  - 4.3.4 Technological
  - 4.3.5 Environmental
  - 4.3.6 Legal
- 4.4 Top investment opportunity
- 4.5 Top winning strategies
- 4.6 COVID-19 Impact Analysis
- 4.7 Disruptive Trends
- 4.8 Industry Expert Perspective
- 4.9 Analyst Recommendation & Conclusion

## **CHAPTER 5 GLOBAL TELECOM GENERATOR MARKET, BY FUEL TYPE**

- 5.1 Market Snapshot
- 5.2 Global Telecom Generator Market by Fuel Type, Performance - Potential Analysis
- 5.3 Global Telecom Generator Market Estimates & Forecasts by Fuel Type 2020-2030 (USD Billion)
- 5.4 Telecom Generator Market, Sub Segment Analysis
  - 5.4.1 Diesel
  - 5.4.2 Gas
  - 5.4.3 Others

## **CHAPTER 6 GLOBAL TELECOM GENERATOR MARKET, BY POWER RATING**

- 6.1 Market Snapshot
- 6.2 Global Telecom Generator Market by Power Rating, Performance - Potential Analysis
- 6.3 Global Telecom Generator Market Estimates & Forecasts by Power Rating 2020-2030 (USD Billion)



## 6.4 Telecom Generator Market, Sub Segment Analysis

6.4.1 Below 75 kVA

6.4.2 75-375 kVA

6.4.3 375-750 kVA

6.4.4 Above 750 kVA

## **CHAPTER 7 GLOBAL TELECOM GENERATOR MARKET, BY APPLICATION**

### 7.1 Market Snapshot

7.2 Global Telecom Generator Market by Application, Performance - Potential Analysis

7.3 Global Telecom Generator Market Estimates & Forecasts by Application 2020-2030 (USD Billion)

### 7.4 Telecom Generator Market, Sub Segment Analysis

7.4.1 Continuous

7.4.2 Peak Load

7.4.3 Stand by

## **CHAPTER 8 GLOBAL TELECOM GENERATOR MARKET, REGIONAL ANALYSIS**

### 8.1 Top Leading Countries

### 8.2 Top Emerging Countries

### 8.3 Telecom Generator Market, Regional Market Snapshot

### 8.4 North America Telecom Generator Market

#### 8.4.1 U.S. Telecom Generator Market

8.4.1.1 Fuel Type breakdown estimates & forecasts, 2020-2030

8.4.1.2 Power Rating breakdown estimates & forecasts, 2020-2030

8.4.1.3 Application breakdown estimates & forecasts, 2020-2030

#### 8.4.2 Canada Telecom Generator Market

### 8.5 Europe Telecom Generator Market Snapshot

#### 8.5.1 U.K. Telecom Generator Market

#### 8.5.2 Germany Telecom Generator Market

#### 8.5.3 France Telecom Generator Market

#### 8.5.4 Spain Telecom Generator Market

#### 8.5.5 Italy Telecom Generator Market

#### 8.5.6 Rest of Europe Telecom Generator Market

### 8.6 Asia-Pacific Telecom Generator Market Snapshot

#### 8.6.1 China Telecom Generator Market

#### 8.6.2 India Telecom Generator Market

#### 8.6.3 Japan Telecom Generator Market

- 8.6.4 Australia Telecom Generator Market
- 8.6.5 South Korea Telecom Generator Market
- 8.6.6 Rest of Asia Pacific Telecom Generator Market
- 8.7 Latin America Telecom Generator Market Snapshot
  - 8.7.1 Brazil Telecom Generator Market
  - 8.7.2 Mexico Telecom Generator Market
- 8.8 Middle East & Africa Telecom Generator Market
  - 8.8.1 Saudi Arabia Telecom Generator Market
  - 8.8.2 South Africa Telecom Generator Market
  - 8.8.3 Rest of Middle East & Africa Telecom Generator Market

## **CHAPTER 9 COMPETITIVE INTELLIGENCE**

- 9.1 Key Company SWOT Analysis
  - 9.1.1 Company
  - 9.1.2 Company
  - 9.1.3 Company
- 9.2 Top Market Strategies
- 9.3 Company Profiles
  - 9.3.1 Emerson Network Power, Inc
    - 9.3.1.1 Key Information
    - 9.3.1.2 Overview
    - 9.3.1.3 Financial (Subject to Data Availability)
    - 9.3.1.4 Product Summary
    - 9.3.1.5 Recent Developments
  - 9.3.2 Eaton Towers Limited
  - 9.3.3 Bharti Infratel Ltd.
  - 9.3.4 American Tower Corporation
  - 9.3.5 Reliance Infratel Limited
  - 9.3.6 GE Energy Infrastructure
  - 9.3.7 Viom Networks Limited
  - 9.3.8 GTL Infrastructure Ltd.
  - 9.3.9 Indus Tower Ltd.
  - 9.3.10 SBA Communications Corporation

## **CHAPTER 10 RESEARCH PROCESS**

- 10.1 Research Process
  - 10.1.1 Data Mining

- 10.1.2 Analysis
- 10.1.3 Market Estimation
- 10.1.4 Validation
- 10.1.5 Publishing
- 10.2 Research Attributes
- 10.3 Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1 Global Telecom Generator Market, report scope

TABLE 2 Global Telecom Generator Market estimates & forecasts by Region  
2020-2030 (USD Billion)

TABLE 3 Global Telecom Generator Market estimates & forecasts by Fuel Type  
2020-2030 (USD Billion)

TABLE 4 Global Telecom Generator Market estimates & forecasts by Power Rating  
2020-2030 (USD Billion)

TABLE 5 Global Telecom Generator Market estimates & forecasts by Application  
2020-2030 (USD Billion)

TABLE 6 Global Telecom Generator Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7 Global Telecom Generator Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8 Global Telecom Generator Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9 Global Telecom Generator Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10 Global Telecom Generator Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11 Global Telecom Generator Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12 Global Telecom Generator Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13 Global Telecom Generator Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14 Global Telecom Generator Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15 Global Telecom Generator Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 16 U.S. Telecom Generator Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 17 U.S. Telecom Generator Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18 U.S. Telecom Generator Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 19 Canada Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20 Canada Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21 Canada Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22 UK Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23 UK Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24 UK Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25 Germany Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26 Germany Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27 Germany Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28 France Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29 France Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30 France Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31 Italy Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32 Italy Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33 Italy Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34 Spain Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35 Spain Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36 Spain Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37 RoE Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38 RoE Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39 RoE Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40 China Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41 China Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 42 China Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 43 India Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44 India Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 45 India Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 46 Japan Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47 Japan Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 48 Japan Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 49 South Korea Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50 South Korea Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 51 South Korea Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 52 Australia Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53 Australia Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 54 Australia Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 55 RoAPAC Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56 RoAPAC Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 57 RoAPAC Telecom Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 58 Brazil Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59 Brazil Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60 Brazil Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61 Mexico Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62 Mexico Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63 Mexico Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64 RoLA Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65 RoLA Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66 RoLA Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67 Saudi Arabia Telecom Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68 South Africa Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69 RoMEA Telecom Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70 List of secondary sources, used in the study of global Telecom Generator Market

TABLE 71 List of primary sources, used in the study of global Telecom Generator Market

TABLE 72 Years considered for the study

TABLE 73 Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1 Global Telecom Generator Market, research methodology
  - FIG 2 Global Telecom Generator Market, Market estimation techniques
  - FIG 3 Global Market size estimates & forecast methods
  - FIG 4 Global Telecom Generator Market, key trends 2022
  - FIG 5 Global Telecom Generator Market, growth prospects 2023-2030
  - FIG 6 Global Telecom Generator Market, porters 5 force model
  - FIG 7 Global Telecom Generator Market, pest analysis
  - FIG 8 Global Telecom Generator Market, value chain analysis
  - FIG 9 Global Telecom Generator Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10 Global Telecom Generator Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11 Global Telecom Generator Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12 Global Telecom Generator Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13 Global Telecom Generator Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14 Global Telecom Generator Market, regional snapshot 2020 & 2030
  - FIG 15 North America Telecom Generator Market 2020 & 2030 (USD Billion)
  - FIG 16 Europe Telecom Generator Market 2020 & 2030 (USD Billion)
  - FIG 17 Asia pacific Telecom Generator Market 2020 & 2030 (USD Billion)
  - FIG 18 Latin America Telecom Generator Market 2020 & 2030 (USD Billion)
  - FIG 19 Middle East & Africa Telecom Generator Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable



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