

# **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**

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## **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

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