

# **Global Telecom Power Systems Market Size study & Forecast, by Product Type (AC power systems, DC power systems, Digital electricity) by Grid Type (On-grid, Off-grid, Bad-grid), by Power Source (Diesel-battery, Diesel-solar, Diesel-wind, Other Sources) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Telecom Power Systems Market is valued at approximately USD 3.30 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 12.5% over the forecast period 2023-2030. Telecom power is a specialized infrastructure and equipment designed to provide a reliable and uninterrupted power supply to telecommunications networks. These systems are crucial for ensuring continuous operation of various communication technologies, such as mobile networks, landline services, and internet connectivity. The Telecom Power Systems market is expanding because of factors such as rising development of telecom infrastructure, increasing investment by the governments across various countries and private firms in 5G technology and growing mobile data traffic.

The escalating mobile data traffic is a key driver behind the growth of the telecom power system market. As the demand for mobile services, including data-intensive applications and high-speed internet, continues to surge globally, telecommunication networks face the challenge of ensuring uninterrupted and reliable operations. Telecom power systems play a pivotal role in addressing this challenge by providing the necessary infrastructure to support the increasing power requirements of expanding and upgrading network infrastructure. As per Ericsson's projections, the worldwide mobile data traffic is anticipated to persist in its upward trajectory, potentially reaching 131 exabytes per month by the conclusion of 2024. This signifies a substantial 30% compound annual

growth rate spanning the period from 2018 to 2024. Ericsson further anticipates that by 2024, 5G networks will be responsible for carrying approximately 35% of the total mobile data traffic. In addition, increasing technological advancements in cellular networks and rising government investment in telecom industry is creating new opportunities to the market growth. However, the high deployment and operational costs of telecom power systems, environmental concerns associated with use of diesel generators stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Telecom Power Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 with largest market share owing to the swift digitization of numerous industries in developing nations within the region, rising number of smart phone and internet users in the region. North America is expected to grow at a fastest rate during the forecast period, owing to factors such as rising penetration rate of mobile devices and 4G-LTE networks in the region.

Major market player included in this report are:

Eaton Corporation

Huawei Technologies Co.

Cummins Inc.

ZTE Corporation

Efore Group

Eltek AS

Delta Group

Alpha Technologies

ABB Group

Schneider Electric

Recent Developments in the Market:

In March 2023, ZTE Corporation partnered with China Mobile to carry out the inaugural trial of 400G QPSK (Quadrature Phase Shift Keying) technology, marking a significant milestone. This collaboration resulted in the successful demonstration of ultra-high-speed transmission capabilities, covering a distance of 2,808 km on G.652.D optical fibers and an impressive 5,616 km on land cables.

In May 2022, Huawei Digital Power Technologies has unveiled PowerPOD 3.0, an advanced power supply solution that leverages core technological innovations and optimized component integration to elevate its design. This solution establishes an efficient data center power supply system, effectively reducing space requirements, energy consumption, and implementation time.

#### Global Telecom Power Systems 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 – Product Type, Grid Type, Power Source, 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 Product Type:

AC power systems

DC power systems

Digital electricity

By Grid Type:

On-grid

Off-grid

Bad-grid

By Power Source:

Diesel-battery

Diesel-solar

Diesel-wind

Other Sources

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

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Rest of Middle East & Africa

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