

Global Backup Power Systems Market Size study & Forecast, by Technology (Backup Generator, Uninterrupted Power Supply (UPS)), by End-user (Residential, Commercial, Industrial) and Regional Analysis, 2023-2030

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Abstracts

Global Backup Power Systems Market is valued at approximately USD XXX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Backup power systems, also known as emergency power systems or standby power systems, are devices or systems designed to provide electrical power in the event of a power outage or failure. They serve as a backup or alternative power source to ensure the uninterrupted operation of critical equipment, systems, or facilities. Backup power systems are commonly used in various settings, including residential homes, commercial buildings, industrial facilities, hospitals, data centers, and telecommunications infrastructure. They are particularly important in situations where a reliable power supply is essential, such as during emergencies, natural disasters, or in areas with unreliable or unstable electrical grids. The Backup Power Systems market is expanding because of factors such as rising adoption and development of data centers, growing data traffic, and expansion of the telecommunications industry.

The digital transformation, cloud computing, and the proliferation of internet-connected devices have led to an explosion of data traffic. As data centers handle and process this ever-increasing volume of information, they require scalable and robust backup power systems to meet the growing energy demands and sustain uninterrupted operations. According to Statista, Global data center IP traffic was 14.1 Zettabytes in 2019, and it rose to 20.6 Zerrabytes in 2021. According to the same source, spending on data center systems reached 212 billion USD in 2022, a rise of 11.1% from 2021. Thus, rising data

center data traffic is driving market growth. In addition, advancements in battery technology and increasing power outages is creating a new opportunity to market growth. However, the high cost of backup power systems and regulatory constraints stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Backup Power Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to factors such as the rising number of data centers, rising telecom industry, rising investment in the development of cloud computing technologies, rising adoption of digital platforms, and rising adoption of advanced technologies such as big data, IoT, artificial intelligence, and 5G data networks. Whereas, Asia Pacific is projected to register the fastest growth owing to factors such as rising data traffic, rising adoption of digital technologies, rising investment in 5G networks, and rising investment in the development of new data centers in the region.

Major market player included in this report are:

Atlas Copco AB

Caterpillar Inc.

Eaton Corporation PLC

Emerson Electric Co.

Generac Holdings Inc.

General Electric Co.

Kohler Co.

Mitsubishi Electric Corporation

Schneider Electric SE

Toshiba Corporation

Recent Developments in the Market:

In March 2022, Mitsubishi Heavy Industries Engine & Turbocharger Ltd. unveiled the MGS-R Series, a new series of diesel generator sets. The Middle Eastern and Asian markets' data centres were taken into consideration when developing the new series. Additionally, the latest series performs admirably as a standby power supply for commercial buildings like office buildings and shopping centres.

In June 2022, Oil Engines Ltd. has unveiled new, fuel-efficient power generators. The R550 series engines that power the iGreen Version 2.0 have attributes including compactness, fuel efficiency, and good power quality.

Global Backup 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 – Technology, End-user, 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 Technology:

Backup Generator

Uninterrupted Power Supply (UPS)

By End-user:

Residential

Commercial

Industrial

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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