

Gasoline Gensets Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type (Open-Frame Generators, Enclosed Generators), By Fuel Consumption (Low Consumption, Medium Consumption), By End-User (Industrial, Commercial, and Residential), By Region, By Competition, 2020-2030F

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Abstracts

Market Overview

The Global Gasoline Gensets Market was valued at USD 9.66 billion in 2024 and is projected to reach USD 12.93 billion by 2030, growing at a CAGR of 4.82%. This market encompasses the global production and distribution of gasoline-powered generator sets, which serve as essential power backup solutions across residential, commercial, and industrial segments. Gasoline gensets are particularly favored for their compact size, ease of portability, and affordability, making them suitable for short-duration power needs and applications in remote or off-grid areas. Their adoption has surged due to the rising incidence of power outages, increasing construction activities, and expanding demand for reliable energy in developing economies. Technological enhancements have led to improved fuel efficiency, lower emissions, and reduced operational noise, boosting their appeal in both urban and rural contexts. With growing concerns around power reliability and the need for decentralized energy access, the gasoline genset market continues to expand globally.

Key Market Drivers

Rising Demand for Reliable Backup Power Amid Increasing Power Outages

The increasing occurrence of power outages worldwide has significantly boosted the need for dependable backup power, making gasoline gensets an essential solution for uninterrupted electricity supply. Aging power infrastructure, rising energy consumption, and frequent natural disasters such as floods and wildfires are straining energy grids and causing more frequent blackouts. In response, gasoline-powered generators are being adopted for their affordability, ease of use, and immediate deployment capabilities. These generators provide critical backup during outages across residential settings, commercial facilities, and infrastructure projects. The growing trend of remote work and digital dependence has further underscored the importance of consistent power access, driving demand across both developed and developing regions. As the global average of power outages has risen by over 20% in the last decade, gasoline gensets remain a go-to choice for cost-effective and portable power backup, especially where grid access is unreliable or insufficient.

Key Market Challenges

Rising Environmental Regulations and Shift Toward Cleaner Energy Alternatives

Environmental concerns and tightening emission regulations pose a major challenge for the gasoline gensets market. These generators emit considerable levels of carbon monoxide, nitrogen oxides, and other pollutants, making them a target for stricter controls by environmental regulatory bodies such as the EPA and EEA. As global carbon reduction efforts accelerate, governments and private sectors are increasingly turning to cleaner alternatives such as solar-powered backup systems, hybrid energy solutions, and advanced battery storage technologies. This shift is impacting the demand for gasoline gensets, particularly in regions with strong environmental compliance frameworks. Moreover, the added costs of regulatory compliance and the development of eco-friendly models can strain manufacturers, limiting flexibility and profit margins. The growing consumer preference for sustainable and low-emission products further amplifies the pressure on traditional gasoline genset solutions, pushing the market to evolve amidst these regulatory and competitive dynamics.

Key Market Trends

Rising Demand for Backup Power Solutions Amid Increasing Grid Instability

A prominent trend shaping the gasoline gensets market is the mounting need for reliable backup power amid growing grid instability. In developing regions such as Asia-

Pacific, Latin America, and parts of Africa, inconsistent power supply due to rapid urbanization, population growth, and aging infrastructure has made backup power solutions indispensable. Gasoline gensets, particularly suitable for moderate-capacity applications, are increasingly deployed in residential areas, construction zones, and small businesses. In advanced economies, severe weather events linked to climate change—like hurricanes, heatwaves, and winter storms—have escalated power disruptions, prompting investments in emergency power systems. Additionally, as telecom infrastructure expands into rural and remote areas, the role of gasoline gensets in maintaining network uptime is also growing. This trend reflects a global reliance on portable and cost-effective power sources as both temporary and emergency solutions in a changing energy landscape.

Key Market Players

KOHLER Co.

Cummins Inc.

General Electric Company

Caterpillar Inc.

Generac Holdings Inc.

FIRMAN

DuroMax Power Equipment

Deere & Company

Atlas Copco Group

Briggs & Stratton, LLC

Report Scope:

In this report, the Global Gasoline Gensets Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Gasoline Gensets Market, By Type:

Open-Frame Generators

Enclosed Generators

Gasoline Gensets Market, By Fuel Consumption:

Low Consumption

Medium Consumption

Gasoline Gensets Market, By End-User:

Industrial

Commercial

Residential

Gasoline Gensets Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Gasoline Gensets Market.

Available Customizations:

Global Gasoline Gensets Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional Market players (up to five).

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