

# **United States Portable Generator Market By Power Ratings (Below 5kW, 5kW-10kW, and Above 10kW), By Fuel Type (Gasoline, Diesel, Natural Gas, and Other), By Application (Temporary and Primary), By End Use (Residential, Commercial, and Industrial), By Region, Competition, Forecast & Opportunities, 2018-2028**

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## **Abstracts**

The United States Portable Generator market is expected to grow during the forecast period owing to a variety of factors, such as the rising energy consumption, the shaky grid infrastructure, the desire for solutions for emergency backup power, and the requirement for a reliable source of electricity. Extreme weather also causes disruptions in the usual power supply, prompting many businesses to use backup power sources. Examples include severe rain, heat waves, storms, hurricanes, and fog. RVs, tailgating, and camping all make use of portable generators. The market for portable generators has grown as a result of attributes including a lengthy runtime and a strong fuel capacity.

In situations where electricity is not accessible, the portable generator temporarily supplies power. An electrical device known as a portable generator often burns gas or diesel and measures power in hours rather than days. By using a gas-powered engine to crank an internal alternator, portable generators produce electricity. These generators are frequently used to provide momentary and portable electricity at all construction sites and outdoor gathering places.

The two primary product categories for portable generators are traditional and inverter types. The operating speed of an inverter portable generator varies depending on how much power is needed to complete a task; the faster the engine runs, the more fuel-

efficient it is. As lower loads come on and off, some of these generators also feature fixed speed set points, which reduces the frequency with which loads change. Portable generators, which are run by diesel, gas, and other fuels, are used by consumers in the residential, commercial, and industrial sectors.

Many factors are now driving the portable generator industry in the United States. Standby generators can be replaced with less expensive portable generators. They are a great choice for households, small companies, and campgrounds because of how inexpensively they can be installed and maintained. Moreover, the countries growing reliance on networked technology systems and the expansion of multifunctional power production systems have raised the demand for portable generators. In addition, there have been more weather-related power outages in the regions as a result of natural disasters such as heat waves and storms, which affect both residential and business customers access to electricity.

### Government Initiatives Boost the Market of Portable Generator

It is projected that increased demand for power generation systems, which would, in turn, affect the market for generators throughout the estimated period, will result from government actions to support the development and maintenance of a robust energy infrastructure. For instance, in September 2021, the U.S. Department of Agriculture declared that it had invested USD 464 million in the construction or improvement of the infrastructure required to enable renewable energy in rural areas. Governments in industrialised nations are working hard to create and maintain dependable energy infrastructure, which is anticipated to restrict the expansion of the market for the manufacture of generators.

The market for generator manufacture is anticipated to expand over the course of the anticipated decade as a result of growing demand from a number of industries, including mining, oil and gas, and pharmaceuticals. In many industrial processes, generators are employed as backup power sources. If there is no grid infrastructure, generators are the only source of electricity.

### Growth in Demand for Natural Fuel Sources

Strict environmental regulations are being developed to control the emission of hazardous gases from diesel generators in developed regions. In the North American region, where countries such as United States, Canada, and Mexico are located, natural gas-fueled generators are becoming more and more popular. Moreover, the US has a

program wherein the US Environmental Protection Agency (EPA) sets restrictions on some air pollutants under the Clean Air Act (CAA), including establishing limitations on how much can be in the air anyplace in the US. The EPA is also given the power to regulate air pollution emissions under the Clean Air Act. Thus, the growing demand for portable generators across the nation is a result of this supportive environmental legislation.

### Rise in Awareness

Homeowners, event planners, outside service providers, and other end users are increasingly attracted to portable generators. As more individuals discover themselves in need of power storage for camping and lengthy outdoor activities in isolated areas, the market for portable generators is expanding. With their vast array of product categories, several major market participants provide support for commercial events.

### Increasing Natural Calamities & Frequent Power Outages

The need for portable generators is growing across the country as a result of increasing natural disasters. Natural disasters such as tsunamis, earthquakes, floods, forest fires, hurricanes, and volcanic eruptions occur, among others. However, over the past five years, a number of hurricanes—including Irma, Michael, Sally, and Delta—have hit the coast in the United States. As a result, there has been a prolonged outage of power due to damaged grid infrastructure. In such situations, portable gensets are often employed to supply energy for use in rescue efforts. These elements expand the demand for portable generators in the US.

### Wide Scale Product Utilization Across the Construction

In order to provide a constant supply of electricity, portable generators are crucial in the commercial sector, including hospitals, businesses, offices, dining establishments, schools, and retail stores. The portable Genset utilised at the building site gives dependable power to a variety of instruments including electric concrete vibrators, circular saws, concrete drills, battery chargers, air circulation fans, and tiny compressors. This boosts the potential of the business. For instance, one of the key contributors to the US economy is the building sector. Regional demand for portable generators has been sparked by robust building activity supported by increased infrastructure expenditure.

Nevertheless, the unexpected COVID-19 outbreak has really affected the nation. The

continued impact has a substantial negative influence on the prospects for the sector by causing a large decrease in overall capital expenditure for power generation and construction expansion & improvement. Yet, the need for a portable generator will increase owing to the growing necessity for emergency power backup due to the rapidly expanding healthcare infrastructure. Therefore, the market for portable generator is growing at a steady pace in the upcoming years.

## Market Segmentation

The United States Portable Generator market is divided into power rating, fuel type, application and end use. Based on power rating, the market is segmented into below 5kW, 5kW-10kW, and above 10kW. The market is segmented based on fuel type: Gasoline, Diesel, Natural Gas, and Other. On the basis of fuel type, the market is further segmented into temporary and primary. The market is further split into residential, commercial and industrial, based on end use. The market analysis also studies the regional segmentation to devise regional market segmentation, divided into North East, Midwest, West, and South.

## Company Profiles

Cummins Inc, Caterpillar Inc, American Honda Motor Co Inc, Generac Power Systems Inc, Briggs & Stratton LLC, Yamaha Motor Corporation U.S.A. (YMUS), Champion Power Equipment Inc, Winco Generator, Gillette Generators Inc, Northern Tool & Equipment Company, Inc. are among the major players that are driving the growth of the United States Portable Generator market.

## Report Scope:

In this report, the United States portable generator market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### United States Portable Generator Market, By Power Ratings:

Below 5kW

5kW-10kW

Above 10kW

### United States Portable Generator Market, By Fuel Type:

Gasoline

Diesel

Natural Gas

Others

### United States Portable Generator Market, By Application:

Temporary

Primary

### United States Portable Generator Market, By End Use:

Residential

Commercial

Industrial

### United States Portable Generator Market, By Region:

North East

Midwest

West

South

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United

*United States Portable Generator Market By Power Ratings (Below 5kW, 5kW-10kW, and Above 10kW), By Fuel Type (...)*

States Portable Generator market.

Available Customizations:

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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