

Portable Generator Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Power Ratings (Below 5kW, 5kW-10kW, and Above 10kW), By Fuel Type (Gasoline, Diesel, Natural Gas, Other), By Application (Temporary, Primary), By End Use (Residential, Commercial, Industrial), By Region and Competition

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Abstracts

The Global Portable Generator Market is predicted to proliferate during the forecast period. The market for portable generators is being driven by elements including the rising demand for electricity, the unreliable grid infrastructure, the desire for solutions for emergency backup power, and the requirement for a consistent supply of electricity. In addition, severe weather conditions including torrential rain, heat waves, storms, hurricanes, and fog disrupt normal power supply, necessitating the use of backup power sources in several industries. RVs, tailgating, and camping make use of portable generators. The demand for portable generators has increased because of characteristics like a lengthy run duration and an effective fuel capacity.

In situations where electricity is not accessible, the portable generator supplies power temporarily. An electrical generator that normally runs on gas or diesel and measures power in hours rather than days is referred to as a portable generator. With the help of a gas-powered engine that spins an internal alternator to produce electricity, portable generators produce electricity. In all job sites and recreational locations, these generators are frequently used to supply short-term, portable electric power.

Conventional and inverter portable generators are the two primary product categories for portable generators. The speed of an inverter portable generator varies according to

the amount of power needed to complete a task; the more power needed, the faster the engine operates, which increases fuel efficiency. Also, some of these generators have fixed speed set points, which aids in reducing the frequency with which loads change when minor loads come on and off. Diesel, gas, and other fuels are used to power portable generators, which are utilized by consumers in the residential, commercial, and industrial sectors.

Government Initiatives Boost the Market of Portable Generator

The government's measures to encourage the development and upkeep of a strong energy infrastructure are anticipated to increase demand for power generation systems, which would, in turn, constrain the market for generators over the projected period. For instance, the U.S. Department of Agriculture stated in September 2021 that it will invest USD 464 million to create or upgrade renewable energy infrastructure to serve rural areas. Additionally, according to the Ministry of New and Renewable Energy, the Indian government launched the 'National Program on High-Efficiency Solar PV Modules' Production Linked Incentive Scheme in April 2021 with a budget of Rs. 4,500 crores to aid and promote the production of high-efficiency solar PV modules across the country. Governments in both developed and developing nations are concentrating on constructing and maintaining reliable energy infrastructure, which is anticipated to restrain the expansion of the market for generator manufacturing.

Additionally, in the Asia Pacific region, the nation of India, where the Union Government has increased capital expenditure on infrastructure investment by 33%, or Rs 10 lakh crore for 2023–24, which is 3.3% of GDP, is anticipated to significantly boost the market for infrastructure and rise the demand for generators in construction sites to provide the continuous supply of electricity. Additionally, there are numerous upcoming megaprojects in the Middle East, including those in Saudi Arabia, the United Arab Emirates, and Qatar, including the AIUIA project, Neom, Amaala Project, Diriyah Gate, Aseer Development Project, Jawharat Jeddah, Dubai Creek Tower, The Heart of Europe, Meydan One, and Deira Islands, where continuous electricity is required. Therefore, the demand of portable generator is expected to rise in the forecast period 2024-2028F.

The market for generator manufacturing is anticipated to expand throughout the course of the projected period because of rising demand from various industries, including mining, oil and gas, and pharmaceuticals. In many industrial processes, generators are employed as a backup power source. where there is no grid infrastructure, generators are the only way to get electricity. For instance, most mining sites are situated in distant

areas, they need generators to provide them with the daily electricity they need. For instance, a CAGR of 4.63% is predicted for the Indian mining industry, which is projected to reach USD 126 billion in 2022. Industrial activity is rising because of economic development in emerging nations, and this will ultimately increase the need for generators throughout the projection period. The union government has introduced several programs, including Housing for All, Pradhan Mantri Awas Yojana, Make in India, and Pradhan Mantri Gati Shakti Master Plan, among others, with an emphasis on the infrastructure sector in both urban and rural areas.

The Ministry of Road Transport and Highways of India (MoRTH) announced an investment for infrastructure projects totaling USD 92.4 billion in December 2021. The government's aim to greatly enhance the supply of affordable housing units for low- and middle-income cohorts under the 'Housing for Everyone' program by 2022 is expected to assist the industry's expansion.

Growth in Demand for Natural Fuel Sources

With the development of strict environmental regulations to regulate the emission of dangerous gases from diesel generators in developed regions including North America, Europe, and certain parts of Asia-Pacific, natural gas-fueled generators are gaining popularity. Also, many emerging countries, such as India, Singapore, and Russia, employ natural energy sources in generators, creating a favorable environment for the expansion of the portable generators market.

Rise in Awareness

The popularity of portable generators grows among end users, including homeowners, event planners, outside service providers, and others. People need energy backup during power outages, handy power storages for camping, and extended outdoor activities in far-off locations, which is increasing demand for portable generators. With their extensive product categories, several major market participants promote commercial events.

Market Segmentation

The Global 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. Based on fuel type, the market is segmented into gasoline, diesel, natural gas, and other. Based on application, the market is segmented

into temporary and primary. Based on end use, the market is segmented into residential, commercial and industrial. The market analysis studies the regional segmentation to devise regional market segmentation, divided among North America, Europe, Asia-Pacific, South America, and Middle East & Africa.

Company Profiles

Cummins Inc, Generac Power Systems Inc, Kohler Co, Wacker Neuson SE, Briggs & Stratton LLC, Caterpillar Inc, Honda Motor Co, Yamaha Motor Co Ltd, Atlas Copco Polska Sp. z o. o, Honeywell international Inc are among the major players that are driving the growth of the Global Portable Generator Market.

Report Scope:

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

Portable Generator Market, By Power Rating:

Below 5kW

5kW-10kW

Above 10kW

Portable Generator Market, By Fuel Type:

Gasoline

Diesel

Natural Gas

Others

Portable Generator Market, By Application:

Temporary

Primary

Portable Generator Market, By End Use:

Residential

Commercial

Industrial

Portable Generator Market, By Region:

Asia-Pacific

China

Japan

India

Australia

South Korea

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Spain

Italy

Middle East & Africa

Israel

Turkey

Saudi Arabia

UAE

South America

Brazil

Argentina

Colombia

Competitive Landscape

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