

Single Phase Gasoline Gensets Market Size - By Power Rating (< 2 kW, 2 kW - 5 kW, 6 kW - 8 kW, > 8 kW - 15 kW), By End Use (Residential, Commercial, Construction), By Regional Outlook & Forecast, 2024 - 2032

Market Report | 2024-05-03 | 325 pages | Global Market Insights

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Report description:

Single Phase Gasoline Gensets Market size is expected to witness over 4.1% CAGR between 2024 and 2032, led by the increasing demand for reliable backup power solutions in residential and small commercial settings. The occurrence of frequent power outages, especially in developing regions, is driving the need for portable and efficient gensets. Rapid advancements in technology are further improving fuel efficiency and reducing emissions.

In April 2024, Panasonic Corporation introduced a new pure hydrogen fuel cell generator, which generates power via a chemical reaction between high-purity hydrogen and oxygen from the air. Such launches of new gasoline-based gensets will drive the industry growth. The rising urbanization and infrastructure development, along with the growing adoption of gensets for recreational activities and outdoor events is also accelerating the demand for gasoline gensets. The easy product availability through e-commerce and competitive pricing strategies by manufacturers along with the increasing push for energy independence and emergency preparedness are also complimenting the industry development.

The single-phase gasoline gensets market is bifurcated into power rating, end-use, and region.

Based on power rating, the industry size from the 6 kW - 8 kW segment is projected to showcase strong growth between 2024 and 2032, driven by increasing demand for reliable backup power in residential and small commercial settings. This power range is ideal for running essential appliances during outages. The rising urbanization, frequent power interruptions, and the growing need for portable, efficient gensets for recreational activities and remote worksites will also fuel the segment growth.

Concerning end-users, the single-phase gasoline gensets market from the residential segment will expand at a significant rate up to 2032. The increasing infrastructure development and urbanization necessitate reliable and portable power solutions for remote and off-grid sites. The need for continuous operation of tools and equipment is also boosting the product demand in these settings. Rapid advancements in genset technology for enhancing fuel efficiency and durability along with the rise of temporary construction projects will also favor the segment expansion.

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Regionally, the Europe single-phase gasoline gensets market is estimated to witness significant growth between 2024 and 2032, led by the increasing demand for reliable backup power due to frequent outages, rising urbanization, and expanding infrastructure projects. The rollout of fuel-efficient and low-emission genset technologies is accelerating the deployment of gasoline gensets. The implementation of stringent emission regulations is also encouraging the utilization of these gensets. The rising need for portable power solutions in remote areas is further boosting the regional industry expansion.

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