

Portable Generators Market to Reach \$5.8 Billion Globally by 2032 at 4.8% CAGR

Rising demand for backup power solutions, increasing frequency of power outages, and expanding construction activities are driving market growth worldwide.

WILMINGTON, DE, UNITED STATES, June 18, 2026 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Global Portable Generators Market: Fuel Type, Power Rating, Application, and End User: Global Opportunity Analysis and Industry Forecast, 2023–2032](#)" by

Fuel Type, Power Rating, Application, and End User: Global Opportunity Analysis and Industry Forecast, 2023–2032," the global portable generators market was valued at \$3.7 billion in 2022 and is projected to reach \$5.8 billion by 2032, registering a CAGR of 4.8% from 2023 to 2032. The market is witnessing steady growth due to rising demand for reliable backup power solutions,



increasing infrastructure development activities, and growing concerns regarding grid reliability across residential, commercial, and industrial sectors.

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Growing demand for uninterrupted power supply and increasing infrastructure development are strengthening the long-term outlook for portable generators worldwide.”

*Allied Market Research
Analyst*

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Portable generators provide temporary electricity during power outages and are widely used across construction sites, outdoor events, emergency response operations, residential properties, and remote industrial locations.

Their flexibility, mobility, and ability to deliver immediate power make them an essential energy solution in both developed and emerging economies.

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The portable generators market is expanding due to several key growth drivers:

- > Increasing frequency of power outages and grid disruptions.
- > Rising demand for emergency and backup power solutions.
- > Growth in residential, commercial, and industrial construction activities.
- > Expansion of infrastructure projects in developing economies.
- > Increasing adoption of portable power systems for outdoor and recreational applications.
- > Growing need for temporary electricity at remote job sites.
- > Rising investments in disaster preparedness and emergency response capabilities.

Extreme weather events, aging power infrastructure, and growing electricity consumption are encouraging consumers and businesses to invest in portable power generation equipment to ensure operational continuity.

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By Fuel Type

The diesel-powered portable generators segment accounted for a significant share of the market in 2022 due to their durability, fuel efficiency, and suitability for heavy-duty applications across industrial and construction sectors.

The gasoline-powered segment continues to maintain strong demand among residential users owing to its affordability, ease of operation, and widespread availability.

Meanwhile, the dual-fuel and alternative-fuel generator segments are expected to gain traction as users seek greater operational flexibility and improved fuel efficiency.

By Power Rating

The 5 kW–10 kW segment held a substantial market share in 2022 due to its widespread application across residential backup power systems, small businesses, and construction sites.

Higher-capacity portable generators are increasingly being deployed in commercial and industrial environments requiring reliable temporary power support.

By Application

The standby backup power segment dominated the market in 2022 and is expected to maintain its leadership throughout the forecast period. Increasing concerns regarding power reliability and business continuity are driving adoption across various end-user industries.

Portable generators are also widely used for prime and continuous power applications in remote and off-grid locations.

By End User

The residential segment accounted for a major share of the market, driven by growing awareness regarding power outage preparedness and increasing adoption of home backup power systems.

The commercial and industrial segments are expected to witness strong growth due to expanding infrastructure projects, construction activities, and emergency preparedness initiatives.

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North America

North America held a significant share of the portable generators market in 2022. The region benefits from high consumer awareness, increasing weather-related power disruptions, and widespread adoption of backup power solutions across residential and commercial sectors.

The United States remains one of the largest markets due to recurring storm events, aging utility infrastructure, and strong demand from homeowners and businesses.

Europe

Europe continues to witness growing demand for portable generators driven by energy security concerns, increasing infrastructure investments, and rising demand for temporary power solutions across industrial and commercial applications.

The region is also experiencing growing interest in cleaner and more fuel-efficient generator technologies.

Asia-Pacific

Asia-Pacific is expected to register the fastest growth during the forecast period. Rapid industrialization, urbanization, infrastructure development, and expanding construction activities across China, India, and Southeast Asia are driving substantial demand for portable generators.

Growing electrification initiatives and increasing energy requirements in remote regions further support market growth.

LAMEA

The LAMEA region is witnessing increasing adoption of portable generators due to infrastructure expansion, industrial development, and the need for reliable power solutions in areas with limited grid access.

Demand remains particularly strong across construction, mining, oil & gas, and emergency response applications.

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Several emerging trends are transforming the portable generators industry:

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- > Development of fuel-efficient and low-emission generator systems.
- > Increasing adoption of inverter generator technologies.
- > Integration of smart monitoring and remote diagnostics capabilities.
- > Expansion of dual-fuel and hybrid generator solutions.
- > Growth in portable power systems for outdoor recreation and events.
- > Enhanced noise-reduction technologies and user-friendly designs.
- > Integration of IoT-enabled maintenance and performance monitoring.
- > Increasing focus on sustainability and environmental compliance.

Manufacturers are investing in product innovation to improve efficiency, reduce emissions, and enhance user convenience while addressing evolving regulatory requirements.

The global portable generators market

- > The [global portable generators market](#) was valued at \$3.7 billion in 2022.
- > The market is projected to reach \$5.8 billion by 2032.
- > The market is expected to grow at a CAGR of 4.8% from 2023 to 2032.
- > Diesel-powered generators accounted for a significant market share.
- > Standby backup power remained the leading application segment.
- > Residential users generated substantial market demand.
- > North America held a dominant position in 2022.
- > Asia-Pacific is expected to witness the fastest growth during the forecast period.

Key companies operating in the global portable generators market include:

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- Honda Motor Co., Ltd.
- Caterpillar Inc.

Cummins Inc.
Generac Holdings Inc.
Atlas Copco AB
Yamaha Motor Co., Ltd.
Briggs & Stratton Corporation
Kohler Co.
Wacker Neuson SE
Champion Power Equipment, Inc.

These market participants are focusing on product innovation, geographic expansion, strategic partnerships, and advanced generator technologies to strengthen their competitive positions and meet growing customer demand.

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Generator manufacturers, distributors, infrastructure developers, construction companies, utility providers, investors, and industry stakeholders seeking comprehensive market intelligence, growth forecasts, competitive analysis, and strategic insights can access the complete Portable Generators Market report from Allied Market Research.

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David Correa
Allied Market Research
+1 800-792-5285
help@alliedmarketresearch.com

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