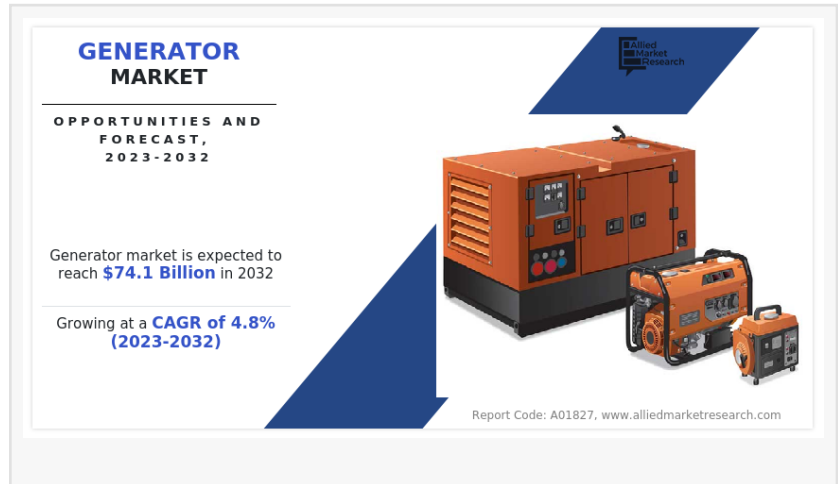


# Generator Market to Reach \$74.1 Billion by 2032, Driven by Industrial and Backup Power Demand

*Industrial Growth and Power Security Drive Global Generator Market Expansion at 4.8% CAGR*

WILMINGTON, DE, UNITED STATES, July 23, 2025 /EINPresswire.com/ --

The global [generator market](#) is experiencing a notable resurgence as industries, governments, and households prioritize energy security, especially in remote areas and during grid outages. According to a new report by Allied Market Research, the global generator market was valued at \$45.9 billion in 2022 and is projected to reach \$74.1 billion by 2032, expanding at a CAGR of 4.8% from 2023 to 2032.



“

Global generator market to hit \$74.1 billion by 2032, fueled by industrial growth, energy resilience, and remote area electrification needs. □□”

*Allied Market Research*

Download PDF Brochure:

<https://www.alliedmarketresearch.com/request-sample/2157>

From commercial high-rises to isolated off-grid regions, generators have evolved from backup essentials to integral components of power continuity strategies worldwide. Their flexibility, scalability, and resilience make them indispensable in the face of increasing blackouts and the intermittency of renewable sources.

Market Dynamics: Key Drivers and Restraints

Power Backup Reliability and Remote Electrification

The primary function of generators—to provide uninterrupted power—continues to be the

market's strongest growth driver. With frequent power disruptions affecting industries and homes alike, generators serve as a vital solution for critical infrastructure, data centers, hospitals, and remote operations.

### Support for Renewable Integration

Generators are increasingly used to complement solar and wind systems during periods of low renewable output. This hybrid role enhances energy availability and system reliability—particularly in regions transitioning toward sustainable energy.

### High Cost and Environmental Concerns

Despite these benefits, the market faces challenges. High initial costs, ongoing fuel expenses, and emissions from diesel and gas units have raised concerns in residential and environmentally sensitive zones. In addition, noise pollution and regular maintenance remain limiting factors, especially for small-scale users.

### Segment Insights: Diesel Dominance and Industrial Demand

#### By Type

Among fuel types, [diesel generators](#) hold the lion's share due to their power density, efficiency, and long-standing presence in heavy-duty applications. This segment is expected to grow at a CAGR of 5.2% during the forecast period. However, hybrid and dual-fuel generators are gaining traction due to their eco-efficiency and adaptability to changing fuel landscapes.

#### By Voltage Rating

Generators in the 350 kVA to 1000 kVA range dominated the market in 2022 and are expected to grow at the highest pace. This capacity range serves large-scale industrial and commercial projects requiring sustained output.

Get a Customized Research Report: <https://www.alliedmarketresearch.com/request-for-customization/2157>

#### By Application

The continuous power application segment emerged as the leading contributor in 2022 and is expected to continue its dominance, especially across sectors like mining, oil & gas, and remote manufacturing sites.

#### By End-Use Industry

The industrial sector remains the largest end-user of generator systems, contributing significantly to market revenues. With the surge in global manufacturing, mining, and logistics operations, the demand for consistent energy has only intensified. This segment grew at a 5.0% CAGR in 2022 and is expected to maintain a similar trajectory.

### Regional Outlook: Asia-Pacific Takes the Lead

Asia-Pacific accounted for the highest [generator market share](#) in 2022 and is projected to grow at the fastest CAGR over the forecast period. Rapid industrialization, infrastructure development, and increasing power outages in nations like India, China, and Southeast Asian countries are fueling demand.

In contrast, North America and Europe continue to prioritize cleaner energy sources and are witnessing a gradual shift from traditional diesel to hybrid or gas-based units, aided by stringent environmental standards.

### Key Players and Strategic Developments

The competitive landscape of the generator market is shaped by innovation, partnerships, and expansion into emerging markets. Notable players include:

Caterpillar

General Electric

Cummins Inc.

Generac Holdings Inc.

Kohler Co.

Mitsubishi Electric

ABB Ltd.

Aksa Power Generation

Kirloskar Oil Engines Ltd.

Su-kam

These companies are investing in digital monitoring technologies, low-emission fuel solutions, and modular generator sets to increase their global footprint and address the evolving power

needs of various industries.

## Regulatory Standards Supporting Market Stability

The industry is bolstered by a robust framework of international standards, such as the IEC 60034 Series and the ISO 8528 Series, which guide product performance, safety, and environmental compliance across regions.

These standards play a pivotal role in maintaining uniformity and trust in generator performance—especially critical in sectors like healthcare, defense, and telecommunications.

Procure This Report (300 Pages PDF with Insights, Charts, Tables, and Figures):

<https://bit.ly/3EqMNgx>

## Outlook and Opportunities

The global generator market is entering a new era—one that is increasingly defined by the need for resilience, flexibility, and sustainability. Opportunities abound in hybrid systems that combine traditional generators with renewables, as well as in microgrid development for rural electrification.

From critical infrastructure support to energy access in underserved regions, generators will remain a cornerstone of global energy strategies. As digitalization and clean energy initiatives evolve, so too will the role of generators—bridging the gap between reliability and sustainability.

Trending Reports in Energy and Power Industry:

### Generator Market

<https://www.alliedmarketresearch.com/generator-market>

### Turbo Generator Market

<https://www.alliedmarketresearch.com/turbo-generator-market-A07569>

### Generator Sets Market

<https://www.alliedmarketresearch.com/generator-sets-market-A13804>

### Thermoelectric Generator Market

<https://www.alliedmarketresearch.com/thermoelectric-generator-market>

Residential Generators Market

<https://www.alliedmarketresearch.com/residential-generators-market-A13106>

Power Rental Market

<https://www.alliedmarketresearch.com/power-rental-market>

Portable Power Station Market

<https://www.alliedmarketresearch.com/portable-power-station-market-A11700>

Japan Portable Power Station Market

<https://www.alliedmarketresearch.com/japan-portable-power-station-market-A14964>

Solar Generator Market

<https://www.alliedmarketresearch.com/solar-generator-market-A12890>

Gas Generator Market

<https://www.alliedmarketresearch.com/gas-generator-market-A14852>

Africa Generator Sets Market

<https://www.alliedmarketresearch.com/africa-generator-sets-market-A323614>

Multi Fuel Generators Market

<https://www.alliedmarketresearch.com/multi-fuel-generators-market-A13142>

Diesel Generator Market

<https://www.alliedmarketresearch.com/diesel-generator-market-A06370>

About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide

business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+ 1 800-792-5285

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

[X](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/833188897>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.