+357 96 030922
info@marketpublishers.com

Europe Data Center Generators Market Size, Share, Trends & Analysis by Fuel Type (Diesel Generators, Natural Gas Generators, Bi-Fuel Generators), by Capacity (Less Than 1 MW, 1-2 MW, Greater Than 2 MW), by End User (Cloud Service Providers, Colocation Data Centers, Enterprise Data Centers, Hyperscale Data Centers) and Region, with Forecasts from 2025 to 2034.

https://marketpublishers.com/r/EECFEEEDEA8FEN.html
Date: November 2025
Pages: 210
Price: US$ 3,685.00 (Single User License)
ID: EECFEEEDEA8FEN

Abstracts

The Europe Data Center Generators Market is projected to experience substantial growth from 2025 to 2034, driven by the increasing demand for reliable backup power solutions and the rapid expansion of data center infrastructure across the region. Data center generators are essential for maintaining continuous operations, preventing downtime, and supporting cloud, enterprise, and hyperscale data center activities. Valued at USD XX.XX billion in 2025, the market is expected to grow at a CAGR of XX.XX%, reaching USD XX.XX billion by 2034.

Definition and Scope of Data Center Generators

Data center generators are power backup systems designed to provide electricity during outages, ensuring uninterrupted operation of data centers. These generators include diesel, natural gas, and bi-fuel systems, with capacities ranging from less than 1 MW to greater than 2 MW. The market covers generators deployed across cloud service providers, colocation data centers, enterprise data centers, and hyperscale data centers. These systems are crucial for operational continuity, safeguarding critical IT infrastructure, and supporting high-performance computing applications.

+357 96 030922
info@marketpublishers.com

Market Drivers

Rising Cloud and IT Infrastructure Investments: The growth of cloud computing, AI, and enterprise IT infrastructure is increasing demand for reliable backup power systems.

Expansion of Hyperscale and Colocation Data Centers: Europe is witnessing robust growth in large-scale data centers, driving the need for high-capacity generators.

Regulatory Compliance and Uptime Requirements: Stringent standards for operational reliability and uptime are motivating operators to invest in advanced backup power solutions.

Technological Advancements in Generator Efficiency: Modern generators with low emissions, automated controls, and fuel-efficient designs are increasingly adopted to reduce operational costs and environmental impact.

Market Restraints

High Capital and Operational Costs: Advanced generators require significant investment, which may limit adoption by smaller data centers.

Fuel Dependency and Price Fluctuations: Diesel and natural gas dependency can affect operational efficiency and profitability.

Environmental Regulations: Strict emission standards and sustainability targets may constrain the use of conventional diesel generators.

Opportunities

Integration with Renewable Energy Sources: Combining generators with solar, wind, or battery storage can provide hybrid solutions for sustainable power.

Retrofitting Existing Data Centers: Upgrading legacy generators in older data centers provides growth opportunities in the aftermarket segment.

+357 96 030922
info@marketpublishers.com

Expansion of Edge Computing: The rise of edge data centers across Europe presents new markets for compact, efficient backup generators.

Growth in Cloud Service Adoption: Increasing demand for cloud-based solutions by enterprises and government organizations will fuel generator deployment.

Market Segmentation Analysis

By Fuel Type

- Diesel Generators
- Natural Gas Generators
- Bi-Fuel Generators

By Capacity

- Less Than 1 MW
- 1–2 MW
- Greater Than 2 MW

By End User

- Cloud Service Providers
- Colocation Data Centers
- Enterprise Data Centers
- Hyperscale Data Centers

Regional Analysis

+357 96 030922
info@marketpublishers.com

Germany: Strong hyperscale expansion and strict power reliability standards drive robust demand for advanced data center generators.

UK: Growing cloud adoption, colocation investments, and stringent uptime requirements accelerate generator deployments across major data hubs.

France: Rising digital infrastructure projects, renewable integration goals, and increasing data traffic boost generator market growth.

Italy: Expanding enterprise IT modernization, new colocation facilities, and grid stability concerns support steady generator demand.

Spain: Surging hyperscale investments, renewable-powered data parks, and rising digital services consumption strengthen generator market opportunities.

Rest of Europe: Broader regional cloud growth, cross-border data flows, and expanding colocation ecosystems propel generator installations significantly.

The Europe Data Center Generators Market is poised for strong growth, supported by investments in hyperscale and colocation data centers, regulatory focus on reliability and uptime, and adoption of energy-efficient generator solutions. As organizations continue to prioritize uninterrupted operations and sustainability, the demand for advanced backup power systems will increase, offering opportunities for innovation and market expansion.

Competitive Landscape

The Europe Data Center Generators Market is highly competitive, with companies focusing on technological innovation, fuel efficiency, and regulatory compliance. Key players in the market include:
Cummins Inc.
Caterpillar Inc.
Generac Holdings Inc.
Kohler Co.
MTU Onsite Energy GmbH
Aggreko Plc
Siemens AG
ABB Ltd.

+357 96 030922
info@marketpublishers.com

W?rtsil? Corporation
Himoinsa

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5. REGIONAL MARKET ANALYSIS (EUROPE)

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Europe Data Center Generators Market Size, Share, Trends & Analysis by Fuel Type (Diesel Generators, Natural Gas Generators, Bi-Fuel Generators), by Capacity (Less Than 1 MW, 1-2 MW, Greater Than 2 MW), by End User (Cloud Service Providers, Colocation Data Centers, Enterprise Data Centers, Hyperscale Data Centers) and Region, with Forecasts from 2025 to 2034.

Product link: https://marketpublishers.com/r/EECFEEEDEA8FEN.html

Price: US$ 3,685.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/EECFEEEDEA8FEN.html