

# The Global Market for Distributed Energy Generation

<https://marketpublishers.com/r/G0C38D060A7EN.html>

Date: September 2023

Pages: 344

Price: US\$ 5,500.00 (Single User License)

ID: G0C38D060A7EN

## Abstracts

### Report Scope:

The report discusses different technologies of distributed energy generation, like reciprocating engines, small hydropower, solar PV, small combustion turbines, small wind, fuel cells, and microturbines. It offers a detailed analysis of different technologies and the prevalent trends and opportunities in the market. The market values are estimated based on multiple factors and analysis of manufacturers' revenues. Market dynamics within each industry are identified. Technological advancements and trends are reviewed, and other influences, such as economic conditions and standards, are discussed. Because this is a global study, BCC Research analyzes domestic and international technological issues and economic considerations.

The market segments of the report are focused on technical and commercial aspects of distributed energy generation. The report also discusses the regional policy and regulatory framework and ESG scenario for the industry in order to maintain environmental sustainability and comply with government regulations.

The report also analyzes the regional and country-wise markets for distributed energy generation. The segments are forecast for 2023 to 2028, with 2022 as a base year. Furthermore, the report offers a competitive scenario of the market, including a detailed analysis of key market players and a list of small and regional market players.

Each regional market considered in this analysis shows potential for market growth in the coming years. Installation of a DG system, especially for larger facilities, can include minor to considerable additional engineering, design, and construction of auxiliary/appurtenant facilities. Examples generally include fuel supply systems, pipelines, air emission controls, and other physical facilities and support equipment. Each of these components includes additional expenses in addition to the cost of the

DG system itself. However, the cost of appurtenances and installation are not considered in the market values that follow.

To summarize, the market values presented here include %li%

Cost of DG equipment by category (microturbines, reciprocating engines, etc.).

New systems.

Replacement systems

The market values presented here do not include the following %li%

Appurtenances (appurtenant wiring, pipes, fuel supply, solar array shade structures, etc.).

Installation costs.

Engineering or design costs for site installation.

The currency used in this report is USD, with market size indicated only in USD Million. For companies reporting their revenue in USD, the revenues are taken from their annual reports. For companies that reported their revenue in other currencies, such as euros and pounds, the average annual currency conversion rate has been used for the particular year to convert the value into USD. The conversion rate for each currency conversion is provided in the report.

Report Includes:

163 data tables and 53 additional tables

An overview of the global market for distributed energy generation

Estimate of the market size and analyses of market trends, with data from 2022, estimates for 2023 and projections of compound annual growth rates (CAGRs) through 2028

An assessment of the existing distributed energy generation industry, with a focus on the producers of each major viable technology and their market potential over the next five years

Coverage of energy-related issues affecting the environment, including greenhouse gas (GHG) emissions, climate change, energy cost and security, and air and water pollution

Analysis of the market dynamics, including drivers, inhibitors and opportunities, and insights into the regulatory environments impacting the market

Market share analysis of the key companies and coverage of mergers and acquisitions (M&A), joint ventures, collaborations, partnerships, and other key vendor strategies

Company profiles of major players within the industry, including Siemens Energy AG, ENGIE SA, Caterpillar Energy Solutions GmbH, Cummins Inc., Bloom Energy, Ansaldo Energia, and Doosan Enerbility

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