

Microgrid competition analysis

What is the market size of AC microgrid?

Based on grid type, the industry is segmented into AC microgrid, DC microgrid and hybrid. The AC segment dominates the market with 51.9% share in 2024 and is expected to grow at a CAGR of 19.2% from 2025 to 2034.

What is the global microgrid market size?

The global Microgrid Market size was estimated at USD 35.60 billion in 2024 and is predicted to increase from USD 43.47 billion in 2025 to approximately USD 95.16 billion in 2030, expanding at a CAGR of 17.0% from 2025 to 2030.

Why is the microgrid market growing?

The impressive growth trajectory of the Microgrid Market is driven by factors such as increasing emphasis on decarbonization, growing need for reliable and uninterrupted power supply, and the surging deployment of microgrids for rural electrification.

Why is the China microgrid market important?

The China microgrid market holds the largest market share in the region on account of rapid economic growth, industrialization and urbanization. This drives a surge in energy demand, leading to make microgrid a cost-effective and scalable solution to expand energy access across both remote and urban areas.

Global Microgrid Market valued at USD 43.19 billion, driven by renewable energy integration, energy storage advancements, and demand for resilient systems, with key growth in US, Germany, and India.

The microgrid market generated revenue of USD 32.1 billion in 2023, which is expected to witness a CAGR of 18.6% during 2024-2030, reaching USD 105.3 billion by 2030.

Based on the market distribution by power source, combined heat and power (CHP) systems contribute around 40% of total installations in 2026, emphasizing their growing appeal among industrial and ...

By power source, solar photovoltaic arrays accounted for 37.9% of the microgrid market size in 2025 and are forecast to grow at an 18.5% CAGR to 2031. By type, hybrid AC/DC ...

Based on grid type, the microgrid market is segmented into AC microgrid, DC microgrid and hybrid. AC microgrid dominates the market with a 51.8% share in 2025, and the segment is expected to grow at ...

Download a free sample report to explore data scope, segmentation, Table of Content and analysis before you make a decision.

Additionally, the report includes insights into the competitive environment, SWOT analysis, current market trends, as well as the primary drivers and constraints.

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It gives a key overview of the microgrid market, detailing competitive possibilities, growth trends, and competition strategies. This report provides insight into the effects of global crises, ...

Chapter 2: Quantitative analysis of Microgrid market size and growth potential at global, regional, and country levels. Chapter 3: Competitive benchmarking of manufacturers (revenue, market share, ...

Primary research was also conducted to identify the segmentation types, key players, competitive landscape, and key market dynamics, such as drivers, restraints, opportunities, challenges, and ...

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