



Microgrid Market Share

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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.

How much is the global microgrid market worth in 2024?

The global microgrid market was valued at USD 22.9 billion in 2024. The market is expected to grow from USD 28.9 billion in 2025 to USD 140.7 billion in 2034, at a CAGR of 19.2%.

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.

Which segment will hold the largest share of the microgrid market?

The hardware segment is expected to hold the largest share of the microgrid market from 2025 to 2030, driven by the critical role of physical infrastructure in enabling reliable and efficient microgrid operations.

By connectivity, grid-connected systems held 62.3% of the microgrid market share in 2025, while off-grid deployments are projected to grow at an 18.9% CAGR through 2031. By offering, ...

The global microgrid market size was valued at USD 13.58 billion in 2025 and is projected to grow from USD 15.63 billion in 2026 to USD 57.58 billion by 2034, exhibiting a CAGR of 17.70% ...

Huge opportunities for the microgrid market share lie in emerging economies with weak or unreliable power system. Here, microgrids are viewed as an alternative source of electricity in ...

Hardware holds the largest market share, primarily comprising power generators, energy storage systems, and controllers. However, software is projected to record the highest CAGR as digital ...

AC microgrid dominates the market with a 51.8% share in 2025, and the segment is expected to grow at a CAGR of 18.3% from 2026 to 2035. The AC microgrid segment is gaining market share due to ...

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The U.S. microgrid market size was estimated at USD 14.82 billion in 2024 and is projected to grow at a CAGR of 18.2% from 2025 to 2030. Market growth is being propelled by rising investment in grid ...

Which Region Has the Largest Microgrid Market Share? Asia Pacific leads the global market with a 40.8% share; this is due to strong government backing, rural electrification projects in India and ...

In 2023, On-Grid microgrid systems held a dominant market position, capturing more than a 74.3% share. This substantial market share can be attributed to the on-grid systems' ability to operate in ...

North America held the largest microgrid market share in 2024, with around 37% of the global revenue, led by aging utility infrastructure, growing weather-caused grid outages, and ...

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