

How much is the microgrid market worth in 2021?

The microgrid market was valued at USD 11.4 billion in 2021 and grew at a CAGR of approximately 26% through 2024, driven by growing advancements in smart grid technology, energy management software and energy storage systems aimed at improving microgrid scalability and efficiency.

How big is the microgrid market?

Image #169; Mordor Intelligence. Reuse requires attribution under CC BY 4.0. The Microgrid Market size is estimated at USD 20.54 billion in 2025, and is expected to reach USD 46.99 billion by 2030, at a CAGR of 17.85% during the forecast period (2025-2030).

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.

Which region has the most microgrid market share in 2024?

The top 4 regions account for 96% market share out of with Asia Pacific microgrid market holds 34.3% share in 2024. Rising earthquakes and typhoons resulting in disruptions to the main grid escalate microgrids demand for microgrids to improve energy resilience and reliability leading to business expansions.

REGION Asia Pacific to be the fastest-growing region in the global microgrid market during the forecast period The Asia Pacific microgrid industry is expected to register the highest CAGR during the ...

A microgrid, regarded as one of the cornerstones of the future smart grid, uses distributed generations and information technology to create a widely distributed automated energy delivery ...

Advancements and Challenges in Microgrid Technology: A Comprehensive Review of Control Strategies, Emerging Technologies, and Future Directions

Growing investments in advanced technologies since 2019 have improved microgrid adaptability, resilience, and efficiency. Innovations in smart controls, energy storage, and automation make ...

The market segmentation by application and type allows for targeted investments and technological advancements, further fueling its expansive growth potential across various geographic ...

Microgrid Market Analysis by Mordor Intelligence The Microgrid Market size is estimated at USD 24.44 billion in 2026, and is expected to reach USD 54.99 billion by 2031, at a CAGR of ...

The microgrid market size was valued at approximately USD 32.6 billion in 2024 and is projected to reach nearly USD 89.4 billion by 2034, registering a CAGR of 10.8% over the forecast ...

Policy frameworks need to evolve to accommodate and accelerate microgrid deployment, addressing regulatory barriers and fostering investment. Looking ahead, the investment trends in ...

Explore the leading trends, challenges, and opportunities shaping microgrids in 2025. Discover how energy leaders can drive innovation and market growth.

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