



# Solar power generation drives on-site energy

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Discover how large energy users are turning to on-site power generation to offset rising capacity costs, improve reliability, and meet green goals.

Discover the benefits of on-site power generation, how it works, and why it's a smart investment for your business's energy efficiency and sustainability.

The decarbonization and decentralization of the energy system have spurred on-site power generation at the residential level, with rising deployments of rooftop solar systems and behind-the-meter batteries.

To achieve sustainability goals while meeting the increasing electricity demands of electrification, organizations are pairing on-site solar PV generation with on-site energy storage.

Electricity generation by the U.S. electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2025. In our latest Short-Term Energy Outlook (STEO), we expect U.S. ...

It involves setting up renewable energy systems like solar panels, wind turbines, or small-scale hydroelectric generators to generate electricity on-site. This approach is gaining ...

Discover why businesses are shifting to on-site power generation to improve energy reliability, reduce costs, and achieve sustainability goals.

Onsite energy refers to electric and thermal energy generation and storage technologies that are physically located at a facility and provide alternative energy services directly to the site.

In this primer, our team explores the factors influencing the rise of on-site generation and explains how companies can evaluate and implement projects with attractive economic returns.



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For large consumer goods companies, on-site solar power generation can offer notable financial and operational advantages. A physical on-site solar installation provides direct power to the ...

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