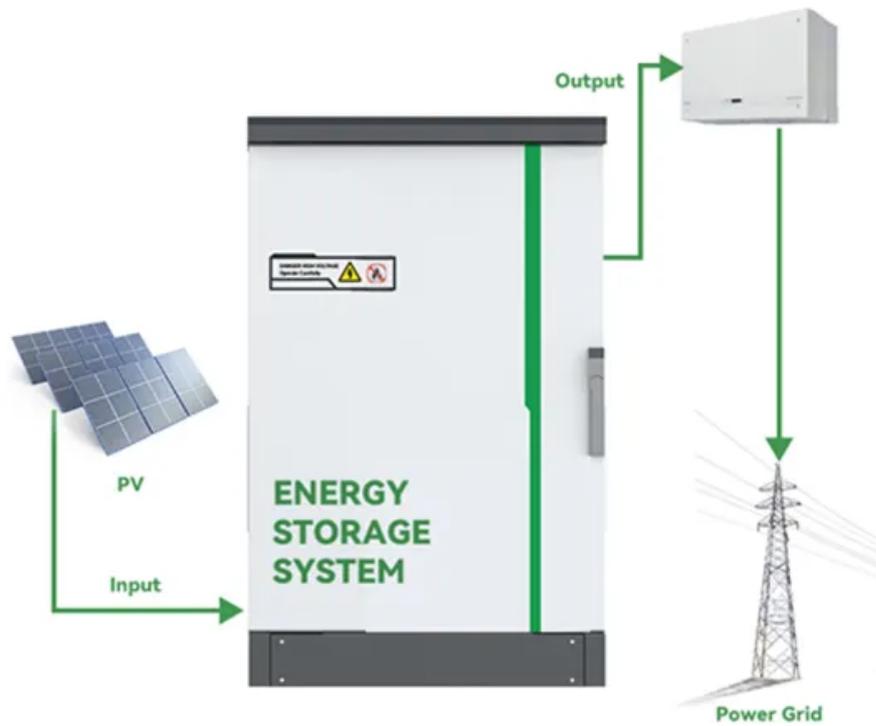


ContainerPower Energy Solutions

Distributed Energy Storage Implementation Plan



Overview

What is a distributed system implementation plan?

Both CECONY and O&R publish Distributed System Implementation Plans, most recently in June 2023, that serves as a five-year outlook in areas such as Integrated Planning, Information Sharing and Market Services. The Implementation Plan engages stakeholders in the processes and programs that continue to shape the Distributed System Platform.

What is the distribution system design program of gridedge?

The Distribution System Design program of GridEdge. Full utilization of distributed energy resources requires advancements in the way we plan, operate, and design the electric grid. This will require that we mature current practices to more fully enable decentralized resources to address growing distribution and bulk power system needs.

What is the cumulative interconnection for distributed solar?

The chart below shows the cumulative interconnection for distributed solar since 2011: Con Edison is helping New York State achieve its ambitious energy storage goals of 1,500 megawatts (MW) by 2025 and 6,000 MW by 2030.

How many energy storage systems were interconnected in 2023?

Through 2023, CECONY interconnected a total of 588 distribution-connected customer energy storage systems, totaling 46.5 MW of capacity, and O&R also interconnected 537 total projects for a total of 35.5 MW. Of the 587 O&R projects, 577 were behind-the-meter residential energy storage systems, totaling 5.23 MW of capacity.

Why do we need a co-optimized energy storage system?

The need to co-optimize storage with other elements of the electricity system, coupled with uncertain climate change impacts on demand and supply, necessitate advances in analytical tools to reliably and efficiently plan,

operate, and regulate power systems of the future.

How many energy storage systems did NYSEG install?

NYSEG installed a total of 765 kW / 3,080 kWh energy storage. We tested three use cases: customer energy demand management, aggregated demand response market participation, and circuit and system peak reduction. Two battery systems were installed by the end of 2018, and we installed another three by the end of the first quarter in 2020.

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