



# How to connect the energy storage power supply of the suite

What are the benefits of a standalone battery energy storage system?

Standalone battery energy storage systems provide backup power, optimize energy usage, and enhance grid reliability. Large-scale commercial energy storage systems are often associated with other renewable energy assets, especially solar. For some businesses, though, there might be an advantage to standalone battery storage.

What is the capacity of a stand-alone power supply?

The capacity of the stand-alone supply shall be equal to or greater than the load posed by the largest single utilization equipment connected to the system. Calculated general lighting loads shall not be considered as a single load. Energy storage (kWh) capacity should be sized to supply to the estimated backup loads for a user-defined period.

Can the Encharge storage system be added to an existing system?

The Encharge storage system can be added to an existing system without using an Enpower smart switch, however, it will not provide backup power. When installed in this configuration, the Encharge storage system is treated as a distributed energy resource (DER), equivalent to a PV system, and cannot form an intentional island.

What is a commercial battery energy storage system?

Commercial battery energy storage systems (BESSs) are needed to facilitate the use and grid integration of renewable energy resources like wind power and solar energy. BESSs are complex and include a large battery, battery management system, battery control and communications, and an inverter/transformer.

Should energy storage be included in the electric grid?

Integrating storage in the electric grid, especially in areas with high energy demand, will allow clean energy to be available when and where it is most needed. As New York continues to invest and build a cleaner grid, energy storage will allow us to use existing resources more efficiently and phase out the dirtiest power plants.

Why is energy storage important?

Energy storage is essential for creating a cleaner, more efficient, and resilient electric grid. Additionally, these projects will provide meaningful benefits to Disadvantaged Communities and Low-to-Moderate Income New Yorkers. Energy storage is essential to a resilient grid and clean energy system.



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