Kongres Container

Solar distributed energy storage cabinet

Overview

What are the benefits of solar and energy storage?

Bulk storage: These grid-connected storage projects enable increased integration of renewable energy sources while ensuring a resilient and reliable power supply when and where it’s needed most. Learn about the benefits of pairing solar and energy storage and incentives available for installing a system at your home.

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.

Can a PV system be retrofitted with storage?

Converting traditional PV to resilient PV is easier and less costly when the initial PV system is designed to be retrofitted with storage. Making a PV system “storage ready” requires more thought, planning and upfront costs, but should lead to an easier and more affordable retrofit when storage is added in the future.

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.

Can a PV system be made storage ready?

PV systems can be made storage ready as either DC or AC coupled configurations. To make a PV system storage ready for DC coupling, a dual

function inverter can be implemented in place of a grid tied inverter when the PV is installed. A dual function inverter will increase the initial cash outlay (~40% cost premium on inverter cost)16.

Can a dual function inverter be integrated with an ESS?

When the customer is ready to add an ESS, it can be integrated into the dual function inverter without additional system re-configuration. Most inverters are warrantied for 10 years, so a DC coupled system would make sense for a customer who plans to add an ESS within a few years of installing a PV system.

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