

ContainerPower Energy Solutions

Cuba local communication BESS power station



Overview

Is Bess a new energy storage technology?

Although other energy storage technologies are well established, BESS is considered as a new evolving technology which many utilities and system owners may not be familiar with. This Technical Brochure will provide a guide to how to implement BESS in a substation, both for existing and new substation projects.

How do I integrate a Bess-connected substation to the power grid?

Integrating the BESS-connected substation to the power grid, it is necessary to understand the Grid codes. Although such requirements may vary in each country, the main requirements such as fault ride through, harmonic compliance, ramp rate regulation and frequency regulation are share a common principle.

Can a Bess-connected substation support a legacy rating?

For BESS-connected new substations, the equipment ratings and control and protection system can be designed to support the BESS rating and functions. However, for an existing substation, the legacy ratings should be verified so that they can support the additional loading due to the BESS.

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