

## Kongres Container

# Outdoor Communication Power Supply BESS Cooperation Plan



## Overview

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Does Bess require uninterrupted power?

Some BESS suppliers mandate uninterrupted power to maintain the operation of thermal management systems, ensuring battery temperatures remain within desired limits to minimize degradation. BESS fire safety standards, such as NFPA 855, outline minimum requirements for backup power for fire safety systems.

Do I need backup power for a Bess auxiliary load?

For certain projects, backup power must be provided for the BESS auxiliary load as required by the BESS supplier or fire codes. Some BESS suppliers mandate uninterrupted power to maintain the operation of thermal management systems, ensuring battery temperatures remain within desired limits to minimize degradation.

What are the basic utilities required for a Bess project?

**Basic Utility Access Requirements** Some may underestimate the basic utilities required for the construction and operation phases of BESS projects, which are most commonly water, power, and communications. The unthinkable happens – there is a fire on the BESS equipment, and access to water is needed.

What is Bess & how does it work?

- BESS can also be used to restart the system when there is no external power supply, i.e., when there is a total system outage. BESS can also be used to defer or replace the need for investment in network infrastructure, for example if load growth means that more capacity is required on a line.

Does a Bess project provide a security of supply?

The BESS project will have a finite duration, so may not provide the same level of security of supply. In some cases, the need for other dispatchable capacity may not be reduced, although the utilization of some capacity may be

reduced.

What types of PPP projects can be implemented using BESS?

When analyzing the options for implementation of PPP projects using BESS, three 'types' of project can be identified: Bulk energy shifting, which includes the provision of peak power and arbitrage opportunities. Network and system services, which includes both grid infrastructure services and ancillary services.

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