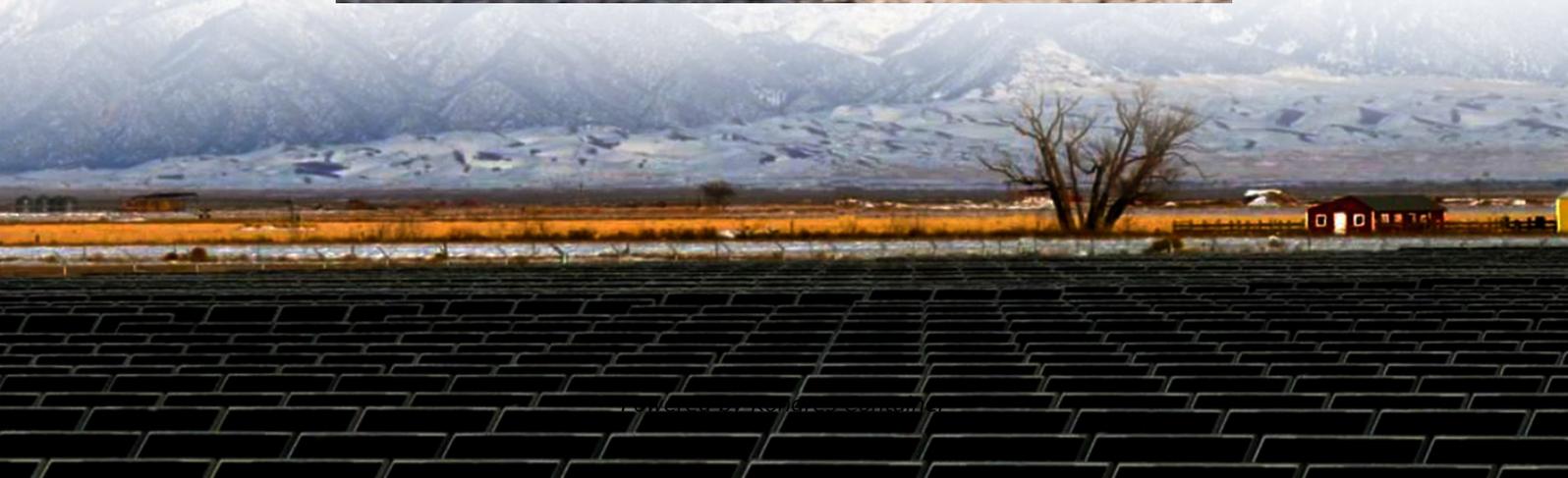


## Kongres Container

# Where is the power supply for the Kiribati BESS outdoor base station



## Overview

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Power elements on the PUB power grid are connected by medium voltage (11kV) underground cables. The ratings and parameters of these cables are as detailed in Table 2.12.

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The EKLIPSE project aims to sustainably improve power supply and access in the Line Islands with a focus on renewable energy (solar PV and BESS integrated with existing diesel generators), efficiency and local capacity building.

Cote d'Ivoire Energy Storage Power Station A lithium-ion battery energy storage system (BESS) made by Saft will be installed at a 37.5MWp solar PV power plant in Côte d'Ivoire (Ivory Coast). [pdf].

The compact power blocks allow the connection of power cables at input or output of BESS sub-systems control panels such as PCS, central and solar inverters. They combine high performance ratings (up to 300 mm<sup>2</sup>, 520 A) in a compact and light format.

Industrial battery storage systems enhance power supply reliability by serving as emergency backup power sources, stabilizing microgrids, and improving grid quality. 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 if a Bess product does not meet backup power requirements?

If a BESS product cannot meet these backup power requirements as

mandated by the code or the Authority Having Jurisdiction (AHJ), an external backup power source needs to be provided. Options for backup power include local distribution network feeders (if available with sufficient kVA rating) or backup generators.

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.

## Where is the power supply for the Kiribati BESS outdoor base station?

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### Contact Us

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