

## Kongres Container

# Solar container substation consultation



## Overview

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What is a containerized solar substation?

Containerised solar substation are designed for clustered solar parks where space and safety is a concern, and are of capacity 500KW to 20MW projects. Containerized substation is divided in three section or compartment— MV Breaker, Transformer and Inverters with DCDB.

What is a solar substation?

The purpose of the substation is to collect all solar array power and feed into the grid after stepping up voltage to distribution level. This substation is based on an Arcadia design, modified for the project. Power flow is bottom to top, 34.5 kV bus to 115 kV bus. It will consist of the following major drawings (single-line drawings).

What is a containerized mobile substation?

Containerized mobile substations are sheltered and address applications in challenging environmental conditions including areas with high pollution, high humidity, extreme temperatures or sand storms. Containers are easy to transport and fast to install, by reducing foundation works as well as installation and commissioning effort on site.

What is a small distribution substation?

Smaller distribution substations are subdivided into container-sized modules, which can be manufactured, assembled and tested at the factory, allowing easy transport and fast installation and commissioning at site.

Can a circuit breaker be controlled from a substation?

Additionally, our system supports remote control of the entire circuit breaker within low voltage cabinets and ring network cabinets, as well as the ability to access operational information from substations.  $\leq 1000\text{m}$  - Daily relative humidity shall not exceed 95% - Monthly average shall not more than 90%

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### Contact Us

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