



LLSE CONTAINERS

# Funafotixi Communication BESS Power Station





## Overview

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Does Bess participate in power grid frequency regulation?

Therefore, this paper proposes a control method based on battery SOX, which is used for BESS to participate in power grid frequency regulation. The control method includes limiting the power and charging and discharging state according to battery SOS to achieve the purpose of system safety control.

Why is a Bess system important?

BESS plays a crucial role in optimizing energy use, enhancing grid reliability, and enabling the integration of renewable energy sources into the power grid by smoothing out fluctuations in energy production and consumption. Why is networking of the different components in a BESS system important?

How does Bess work?

BESS operates in frequency regulation mode, selects the frequency regulation power curve of a day, and gets the frequency regulation power close to the actual field power through preprocessing for simulation. The SOH of 1-5 batteries are 0.8, 0.85, 0.9, 0.95 and 1.0 respectively.

How many energy storage containers are in a Bess?

As shown in Fig. 3, the BESS consists of 50 containers, each of which is a sub unit of 1 MW/2 MWh. Each 1 MW/2 MWh energy storage container includes two sets of 500 kW PCS, 2 MWh battery and corresponding battery management system.



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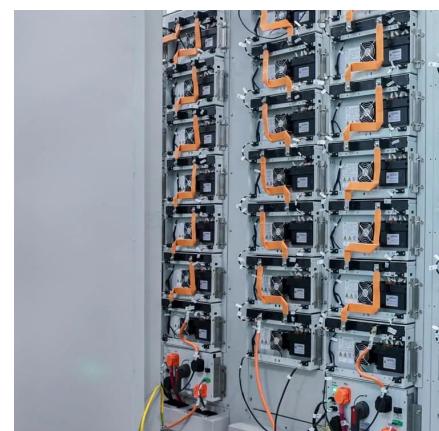


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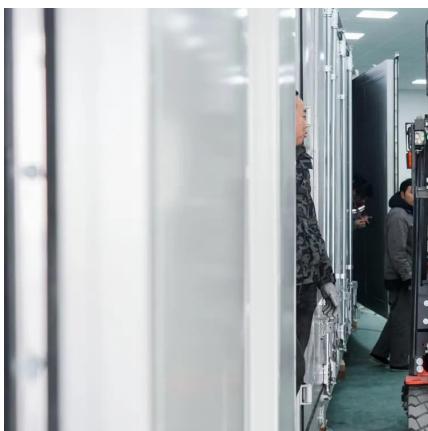


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