

# **5G base station energy storage feasibility study**





## Overview

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Why are 5G base stations important?

The denseness and dispersion of 5G base stations make the distance between base station energy storage and power users closer. When the user's load loses power, the relevant energy storage can be quickly controlled to participate in the power supply of the lost load.

Does 5G base station energy storage participate in distribution network power restoration?

For 5G base station energy storage participation in distribution network power restoration, this paper intends to compare four aspects. 1) Comparison between the fixed base station backup time and the methods in this paper.

What factors affect the energy storage reserve capacity of 5G base stations?

This work explores the factors that affect the energy storage reserve capacity of 5G base stations: communication volume of the base station, power consumption of the base station, backup time of the base station, and the power supply reliability of the distribution network nodes.

Does energy storage optimization affect demand response in 5G base stations?

In summary, currently, there is abundant research on energy storage optimization configuration. However, most of the research on the energy storage configuration of 5G base stations does not consider the factors of participation of energy storage in demand response, and the optimization models are rarely implemented.



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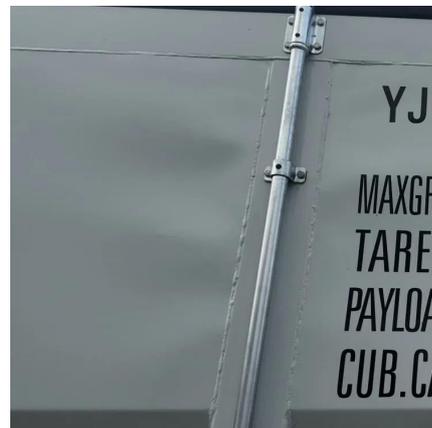


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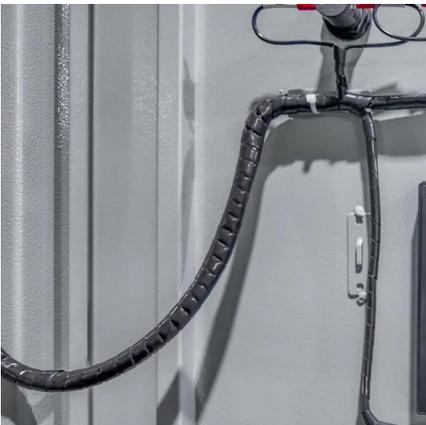


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