

5g base station backup power storage





Overview

This paper proposes a distribution network fault emergency power supply recovery strategy based on 5G base station energy storage. This strategy introduces Theil's entropy and modified Gini coef.

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.

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.

What factors affect the energy exchange model for 5G base station energy storage?

When establishing the objective function, factors such as the loss cost of charging and discharging 5G base station energy storage are ignored, resulting in deficiencies in the energy exchange model for 5G base station energy storage.

What is a backup energy storage?

Backup energy storage can be used as the lower charge and discharge capacity limit when energy storage participates in scheduling. Fig. 15. Backup time for base station energy storage. Fig. 16. Callable energy storage of the base station.



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standard configuration of a typical base station, and investigates the feasibility and economics of 5G base stations participating in demand response on the basis of ensuring that they have ...

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