

Base station energy storage controller





Overview

Why is base station energy storage important?

Therefore, the base station energy storage can be used as FR resources and maintain the stability of the power system. The base station is the physical foundation for the popularity of 5G networks. 5G base stations distribute densely in cities.

What is the purpose of a base station?

The structure of base station provides conditions for energy storage to assist in power system frequency regulation. Although the power output of a single base station storage is limited, the combined regulation of large-scale base stations can have a significant meaning.

How does a base station control center work?

The operational data of base stations are uploaded to the control center. Based on frequency deviation and operation state of base station, regulation instructions are sent by the control center. After the regulation is completed, the feedback information is sent back to the dispatching center of the power system.

What is the energy saving strategy of base station?

In [20], the energy saving strategy of base station is proposed considering the variability and complementarity of base station communication loads. This strategy helps the power system to cut peaks and fill valleys while reducing base station operating costs.



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Base Station Energy Storage Integration , Huijue Group E-Site

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