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# Base station energy storage function





## Overview

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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.

Can base station energy storage be used as Fr resources?

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. Therefore, the base station energy storage can be used as FR resources and maintain the stability 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.



## Base station energy storage function



### Strategy of 5G Base Station Energy Storage Participating in ...

Energy Flow Analysis and Fr Ability of A Single 5G Base StationFr Potential of Aggregated 5G Base StationsFeasibility AnalysisThere are two types of 5G base stations: macro-base station and micro-base station. A micro-base station covers small space and consumes little energy. On the contrary, a macro-base station consumes more energy and covers wider space than micro-base station. Therefore, macro-base station has a greater FR potential, and this paper focuses primarily See more on link.springer Global Energy InterconnectionTranslate this result

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