

Base station energy storage power station





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.

What is the power of a base station?

The corresponding powers of different operating states are 2.3 kW, 3 kW, 3.5 kW, and 4 kW, respectively. The nominal capacity of the base station energy storage is 20 kWh, and the number of the base station in each operating state is 500. The SOC values of the base station obey normal distribution between 0 and 1 in each operating states.

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.



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