



The traditional configuration method of a base station battery comprehensively considers the importance of the 5G base station, reliability of mains, geographical location, long-term development, battery life, and other factors .

2) The optimized configuration results of the three types of energy storage batteries showed that since the current tiered-use of lithium batteries for communication base station backup power was not sufficiently mature, a brand- new lithium battery with a longer cycle life and lighter weight was more suitable for the 5G base station.

In this article, we assumed that the 5G base station adopted the mode of combining grid power supply with energy storage power supply.

The backup battery of a 5G base station must ensure continuous power supply to it, in the case of a power failure. As the number of 5G base stations, and their power consumption increase significantly compared with that of 4G base stations, the demand for backup batteries increases simultaneously.

Therefore, when the electricity price was at its peak, the base station system had a low power load and would discharge to the grid in part of the time. Conversely, when the electricity price was at its low, the base station system had a high power load.

The sleep mechanism of a base station refers to the intelligent shutdown of major power consumption devices, such as the AAU of the base station, when there is no load or the load is low, such that the energy consumption is greatly reduced.

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storage capacity of base stations. How to fully utilize the often dormant base station energy storage ...

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Definition Telecom base station battery is a kind of energy storage equipment dedicatedly designed to provide backup power for telecom base stations, ...

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all-in-one design, incorporating essential switches for ...

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