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5g base station power demand storage





Overview

What is a 5G base station energy storage device?

During main power failures, the energy storage device provides emergency power for the communication equipment. A set of 5G base station main communication equipment is generally composed of a baseband BBU unit and multiple RF AAU units. Equation 1 serves as the base station load model:.

Can 5G base station energy storage be used in emergency restoration?

The massive growth of 5G base stations in the current power grid will not only increase power consumption, but also bring considerable energy storage resources. However, there are few studies on the feasibility of 5G base station energy storage participating in the emergency restoration of the power grid.

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.



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