

SolarInnovate Energy Solutions

The load-bearing capacity of the battery room of the communication base station



Overview

How is the schedulable capacity of a standby battery determined?

In this article, the schedulable capacity of the battery at each time is determined according to the dynamic communication flow, and the scheduling strategy of the standby power considering the dynamic change of communication flow is proposed. In addition, the model of a base station standby battery responding grid scheduling is established.

Why does a base station have a low power load?

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.

What is the traditional configuration method of a base station battery?

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 .

Why do cellular base stations have backup batteries?

Abstract: Cellular base stations (BSs) are equipped with backup batteries to obtain the uninterruptible power supply (UPS) and maintain the power supply reliability. While maintaining the reliability, the backup batteries of 5G BSs have some spare capacity over time due to the traffic-sensitive characteristic of 5G BS electricity load.

Does a standby battery responding grid scheduling strategy perform better than constant battery capacity?

In addition, the model of a base station standby battery responding grid scheduling is established. The simulation results show that the standby

battery scheduling strategy can perform better than the constant battery capacity. Content may be subject to copyright.

What is the sleep mechanism of a base station?

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.

The load-bearing capacity of the battery room of the communication

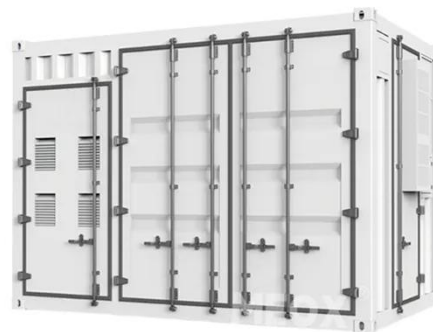


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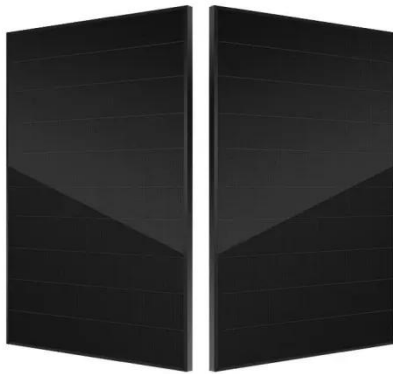


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