

Communication 5g base station solar power generation system detailed explanation





Overview

What is a 5G base station?

At the same time, a large number of 5G base stations (BSs) are connected to distribution networks, which usually involve high power consumption and are equipped with backup energy storage, giving it significant demand response potential.

What is 5G BS Model?

The 5G BS model considering communication load migration and energy storage dynamic backup is established in Section 2. The architecture and coordination optimization model composed of a 5G communication network and distribution network is proposed in Section 3.

What is the architecture and coordination optimization model of 5G base station?

The architecture and coordination optimization model composed of a 5G communication network and distribution network is proposed in Section 3. Afterward, a distributed coordination algorithm is designed in Section 4 with simulation results presented in Section 5. Finally, Section 6 concludes the paper. 2. Model of 5G base station.

How does 5G BS get power?

There are mainly two ways for BS to obtain its power supply: when the power distribution system is normal, 5G BS obtains power by connecting to the distribution network; when the power distribution system fails, the storage battery supplies power to the equipment and guarantees communication services of 5G BS.



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