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5g base station direct power supply energy saving patent

In response to the current widespread issue of high energy consumption in 5G base stations, this article conducts overall design, hardware design, and software design of the base station energy-saving ...

The rapid development of 5G technology leads to increasing energy consumption in base stations (BSs). For the vision of green and sustainable communications, we

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving operation model for 5 G base stations that incorporates communication caching and ...

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This article identifies energy-saving potential of the fifth generation (5G) Radio Access Network, and describes main energy-saving principles and technologies.

On the one hand, Massive MIMO itself reduces transmission power consumption at the cost of higher computational cost; and the small base station has small coverage area and lower PA, which...

The energy-saving 5G load power supply can improve the output voltage of the switching power supply and the storage battery, the voltage supplies power to the 5G load, the cable loss...

Wireless communications systems and methods related to network power saving are provided. In one embodiment, a base station (BS) of a wireless communication network determines to enter a sleep ...

Smart Energy Saving of 5G Base Station: Based on AI and other emerging technologies to forecast and optimize the management of 5G wireless network energy consumption

This application relates to the field of power supply control technology, specifically to an uninterrupted energy-saving power supply control method for 5G base stations.

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