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Title: Communication base station power management method

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To enhance system efficiency and establish green wireless communication systems, this paper investigates base station sleeping and power allocation strategy based on deep reinforcement ...

The work begins with outlining the main components and energy consumptions of 5G BSs, introducing the configuration and components of base station microgrids (BSMGs), as well as ...

In the communication power supply field, base station interruptions may occur due to sudden natural disasters or unstable power supplies. This work studies the optimization of battery ...

To reduce the extra power consumption due to frequent sleep mode switching of base stations, a sleep mode switching decision algorithm is proposed. The algorithm reduces unnecessary ...

Transmission power control by a mobile station is implemented by an open loop based on measurement of the received power in the perch channel.

Therefore, in response to the impact of communication load rate on the load of 5G base stations, this paper proposes a base station energy storage auxiliary power grid peak shaving method based on ...

The phrase "communication batteries" is often applied broadly, sometimes including handheld radios, emergency devices, or general-purpose backup batteries. In practice, when ...

In summary, the L6201 has significant technical features and performance indicators in communication base station power management, with good market competitiveness and effects on optimizing ...

Using intelligent power management technology, it can realize intelligent power supply to communication equipment, providing appropriate power supply according to the actual demand of ...



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