

# 5g base station direct power supply energy saving patent

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The utility model relates to the technical field of communication base stations, in particular to an energy-saving 5G base station power supply system, which comprises a shell,...

Because of the large power consumption, it is not convenient to save energy. Therefore, we propose a new energy -saving photovoltaic power supply integrated 5G base ...

In this embodiment of the present application, the base station may determine the energy saving mode the base station enters, where the manner in which the base station enters the energy ...

Aiming at minimizing the base station (BS) energy consumption under low and medium load scenarios, the 3GPP recently completed a Release 18 study on energy savi

The research on 5G base station load forecasting technology can provide base station operators with a reasonable arrangement of energy supply guidance, and realize the ...

The energy-saving system receives data information returned by the core network management system, and calculates whether the base station needs to switch on or off the power through a...

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 ...

Recognizing this, Mobile Network Operators are actively prioritizing EE for both network maintenance and environmental stewardship in future cellular networks. The paper aims to ...

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving

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operation model for 5 G base stations that incorporates ...

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

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