

Abstract: In order to meet the high power and high stability requirements of communication base stations for power supply, this paper designs a dedicated 500W switch power supply for communication base ...

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 ...

In this article, a mathematical model of the power supply system for a mobile communication base station is developed. Based on the developed mathematical model, the mobile communication base ...

In this paper we collaborate with Ooredoo mobile company in Kuwait to see the effect of cell radius on the power can the base station to supply the user by using the path loss and the transmitter power ...

In this article, an algorithm for automatic control of energy sources was developed to improve the uninterrupted power supply of mobile communication base stations. Based on the proposed ...

According to the special environment and requirement of base station communication power supply, by using corresponding circuit control analysis and heat dissipation design, two...

Abstract: This study provides an in-depth analysis of power supply interruptions at mobile communication base stations (BS) operated by the Khorezm branch of Uzbekistan's Uzmobil ...

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Base stations represent the main contributor to the energy consumption of a mobile cellular network. Since traffic load in mobile networks significantly varies during a working or weekend day, it is ...



Analysis of power supply field of communication base station

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