

Uninterrupted power supply and energy saving for Tongfeng communication base station



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Algorithms for uninterrupted power supply to mobile ...

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 ...

Optimal energy-saving operation strategy of 5G base station with

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 ...



Energy-Saving Techniques in the Next Generation of Mobile Communication

Multiple scientific investigations have validated the feasibility of managing power consumption in a base station, and several effective techniques have been proposed to achieve this ...

Mathematical Modelling of the

Power Supply System of a Mobile

Therefore, there is a growing need for energy management approaches based on mathematical modelling to ensure an uninterrupted power supply and improve overall system efficiency. In this ...



Development of the Method and Algorithm of Supplying the Mobile

In this work, we propose a method of continuous energy supply of a mobile communication base station, which is one of the main parts of the mobile communication system, on ...

Envelope Tracking Power Supply for Energy Saving of Mobile

The power consumption of the RF PA in wireless communication base stations are too large and the efficiency of RF PA is too low. In this paper, a new hybrid ET power supply with a multi ...



A Device that Controls the Power Supply Sources of a Mobile

During the research, the uninterrupted supply of mobile communication base stations with electricity, the optimal use of available energy sources and the

factors affecting them were analyzed.



ANALYSIS OF METHODS OF PROVIDING UNINTERRUPTED ...

In this work, an analysis of methods for providing mobile communication base stations with uninterrupted power supply was conducted. As a result of the analysis, the shortcomings and ...



Development of the Method and Algorithm of Supplying the Mobile

It examines the use of renewable energy systems to provide off-grid remote electrification from a variety of resources, including regenerative fuel cells, ultracapacitors, wind energy, and

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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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