

Patent for energy storage in communication base stations

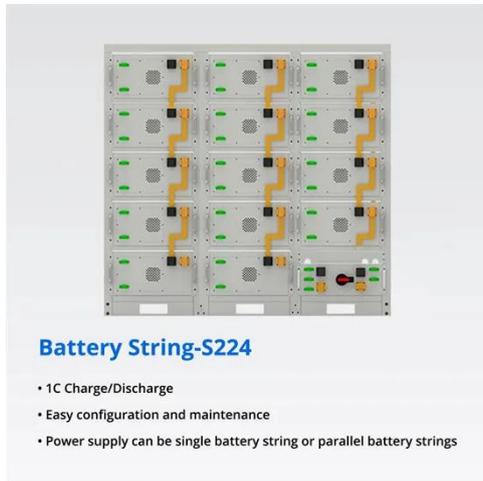


Overview

A main object of embodiments of the present application is to provide a base station energy saving method, a base station, a terminal device, and a storage medium, thereby controlling the base station to enter an energy saving mode, dynamically. A main object of embodiments of the present application is to provide a base station energy saving method, a base station, a terminal device, and a storage medium, thereby controlling the base station to enter an energy saving mode, dynamically. the invention is entitled "Energy storage system for communication base station and energy storage method" The priority of the Chinese Patent Application, the entire contents of which is incorporated herein by reference. the present invention relates to the field of communications, and in particular. CN206506347 - Communication base station energy storage power system The utility model provides a communication base station energy storage power system, including aerogenerator, photovoltaic module, fuel power generation system, commercial power, energy storage battery and communication base. Provided herein is a base station device which includes a communication module configured to provide a communication channel to a capacity booster cell overlapping some region of at least one adjacent cell, and a processor functionally connected to the communication module, wherein the processor.

[0003] The present invention mainly aims at the problem of poor power supply reliability of existing technology products under extremely severe weather conditions, and proposes a hybrid power supply and energy storage system for communication base stations the structure of the environmentally. An energy storage cooling system for equipments in a communication base station comprises two parts of an indoor unit and an outdoor unit. The indoor unit includes a coolant storage tank (6), a water cooled heat exchanger (9), a first coolant circulation pump (7), a second coolant circulation pump. Provided are a base station energy saving method, a base station, a terminal device, and a storage medium. The base station energy saving method is applied to the base station.

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WO2013120337A1

An energy storage system and energy storage method for a communication base station, the energy storage system comprising: a first energy storage unit (11) comprising a

BASE STATION ENERGY SAVING MANAGEMENT DEVICE AND ...

As a way to save energy at a base station, an energy saving function is provided that a specific cell (or a base station of the corresponding cell) is powered off depending on a user ...



WO2010135959A1

The outdoor heat exchanger (4) is connected with the coolant heat exchanger (3). The energy storage cooling system has the advantage of energy saving.

Energy Storage in Telecom Base Stations: Innovations & Trends

Understanding these innovative applications and future trends is critical for operators, equipment manufacturers, and energy storage providers to navigate the evolving landscape and build the ...



Hybrid power supply and energy storage system for communication

...

Specifically, the invention relates to a power supply system for a communication base station, especially a hybrid power supply and energy storage system for a communication base station.

206506347 Communication base station energy storage power system

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1075KWHH ESS

Optimization Control Strategy for Base Stations Based on ...



 LFP 280Ah C&I

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 ...

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 ...



BASE STATION ENERGY SAVING METHOD, BASE STATION

The present application relates to the field of wireless communications, particularly a base station energy saving method, a base station, a terminal device, and a storage medium.



Communication Base Station Energy Storage Systems

In a groundbreaking 2023 pilot, Vodafone Germany demonstrated how base station storage systems can

stabilize regional grids through vehicle-to-grid (V2G) integration.



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