

PDEOZE PowerContainer

Optical storage 5G base station power supply



Overview

What is a 5G photovoltaic storage system?

The photovoltaic storage system is introduced into the ultra-dense heterogeneous network of 5G base stations composed of macro and micro base stations to form the micro network structure of 5G base stations .

Do 5G base stations use intelligent photovoltaic storage systems?

Therefore, 5G macro and micro base stations use intelligent photovoltaic storage systems to form a source-load-storage integrated microgrid, which is an effective solution to the energy consumption problem of 5G base stations and promotes energy transformation.

Does a 5G base station microgrid photovoltaic storage system improve utilization rate?

Access to the 5G base station microgrid photovoltaic storage system based on the energy sharing strategy has a significant effect on improving the utilization rate of the photovoltaics and improving the local digestion of photovoltaic power. The case study presented in this paper was considered the base stations belonging to the same operator.

What is P0 in 5G microgrid?

P0 is the base power consumption generated by the four base stations when there is no traffic load. In the 5G base station microgrid, the traffic of the macro and micro base stations exhibits obvious periodicity in time, and the upward and downward trends are in step.

How 5G base station microgrid power backup works?

The charging and discharging actions of energy storage meet the requirements of various 5G base stations for microgrid power backup. During the low electricity price period, the 5G base station microgrid purchases electricity from the grid to meet the power demand of the base station.

Can a 5G base station reduce the cost of a base station?

Considering the construction of the 5G base station in a certain area as an example, the results showed that the proposed model can not only reduce the cost of the 5G base station operators, but also reduce the peak load of the power grid and promote the local digestion of photovoltaic power. 0.

Introduction

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