

## Kongres Container

# Myanmar 5G base station power supply policy



## Overview

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This paper proposes a distribution network fault emergency power supply recovery strategy based on 5G base station energy storage. This strategy introduces Theil's entropy and modified Gini coef.

What factors affect the energy storage reserve capacity of 5G base stations?

This work explores the factors that affect the energy storage reserve capacity of 5G base stations: communication volume of the base station, power consumption of the base station, backup time of the base station, and the power supply reliability of the distribution network nodes.

Can 5G base station energy storage be used in emergency restoration?

The massive growth of 5G base stations in the current power grid will not only increase power consumption, but also bring considerable energy storage resources. However, there are few studies on the feasibility of 5G base station energy storage participating in the emergency restoration of the power grid.

Why are 5G base stations important?

The denseness and dispersion of 5G base stations make the distance between base station energy storage and power users closer. When the user's load loses power, the relevant energy storage can be quickly controlled to participate in the power supply of the lost load.

What is the energy storage demand for China's 5G base stations?

According to data from the Ministry of Industry and Information Technology of China, the energy storage demand for China's 5G base stations is expected to reach 31.8 GWh by 2023 (as shown in Fig. 1).

Will Myanmar support 4G & 5G?

ided with the IMT and 5G Spectrum Roadmap is released. Knowing that there will be sufficient spectrum in the future to support both 4G and 5G service offerings, MNOs and all market players in Myanmar can confidently make the n.

Will MNOs be able to deploy 5G in Myanmar?

utilise all or part of the 700 MHz band for 5G coverage. Regardless of whether MNOs decide to deploy 5G initially, Myanmar's technology neutral regime gives MNOs the option to do so in the future. The delay will also allow an assessment whether any of the 700 MHz spectrum band should be further capacity band spectrum (namely the 1500 MHz,

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