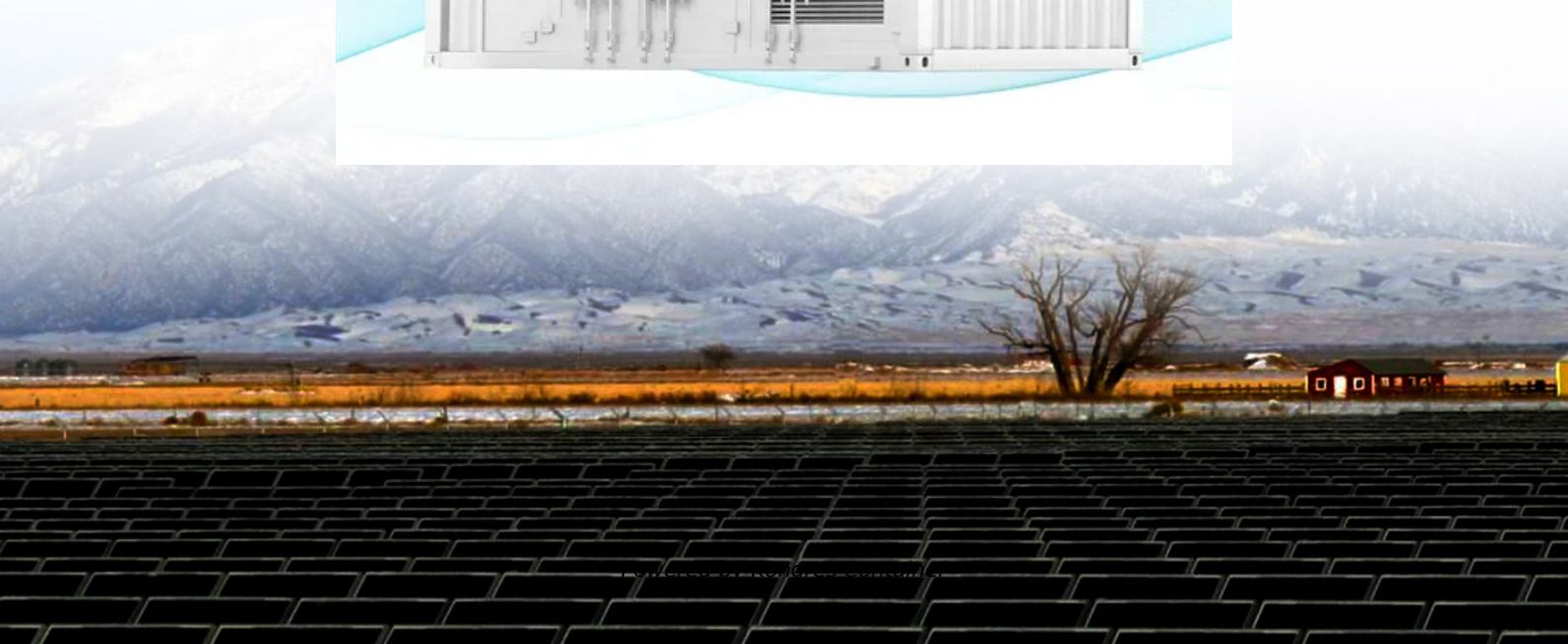


Kongres Container

The impact of 5G container technology on base station support

**FLEXIBLE SETTING OF
MULTIPLE WORKING MODES**



Overview

Why is energy storage important for 5G base station construction?

With the rapid development of 5G base station construction, significant energy storage is installed to ensure stable communication. However, these storage resources often remain idle, leading to inefficiency.

How does 5G work?

5G, like other wireless technologies, relies on base stations to handle cellular traffic. However, base stations with single-input single-output systems had very low throughput. On a cellular network, they were not able to support multiple connected devices with high reliability.

How a 5G base station has changed the performance of a base station?

To meet the communication requirements of large capacity and low delay, the commissioning of new equipment has significantly improved the performance of 5G base stations compared with the previous generation base stations. At the same time, the new equipment has altered the power load characteristics of base stations.

How will 5G technology impact the mobile network?

As carriers and other stakeholders continue to adopt fifth-generation (5G) technology, demand for the mobile network will increase. However, there are key infrastructure challenges necessary to overcome for optimal 5G deployment.

Who will benefit from 5G base station flexibility resources?

Lastly, it is anticipated that technical innovation and the application of 5G base station flexibility resources will benefit both 5G base station operators and grid operators. References is not available for this document. Need Help?

What is the load of a 5G base station?

The load of a 5G base station primarily consists of communication equipment and auxiliary components. The communication equipment mainly includes Active Antenna Unit (AAU) and Base Band Unit (BBU). AAU is a combination of radio frequency unit and antenna array of 5G base station.

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