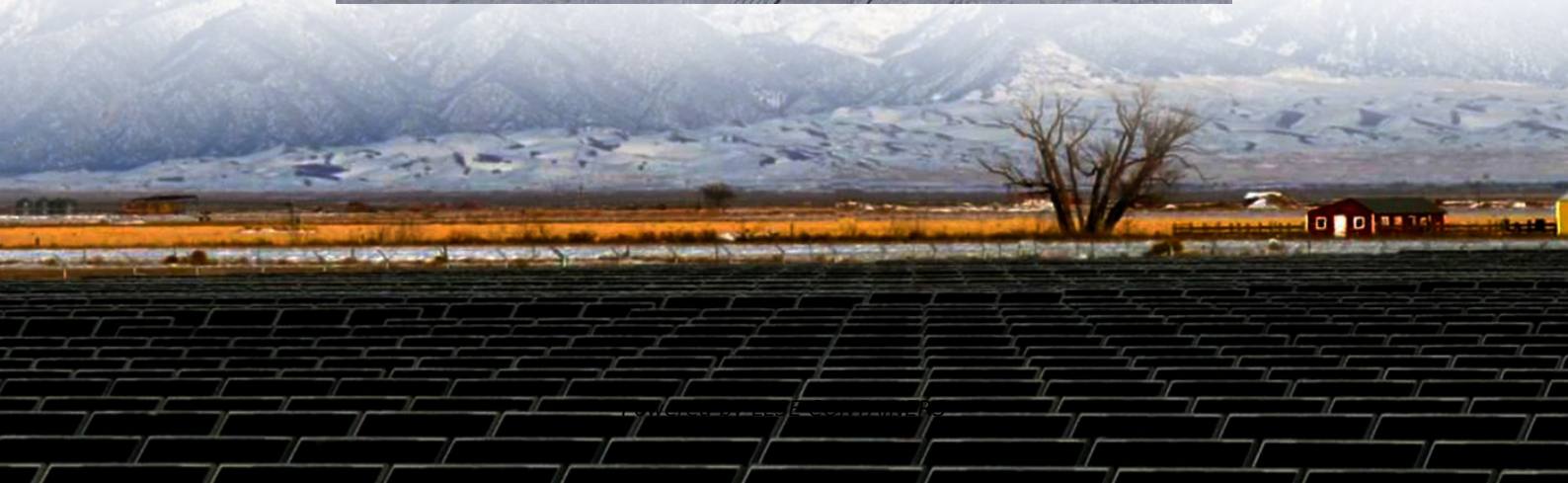


# Does the 5G base station use high voltage electricity for communication





## Overview

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What is a 5G base station?

At the same time, a large number of 5G base stations (BSs) are connected to distribution networks, which usually involve high power consumption and are equipped with backup energy storage, giving it significant demand response potential.

Why is energy storage important in a 5G base station?

With the rapid development of 5G base station construction, significant energy storage is installed to ensure stable communication. However, these storage re.

How 5G technology has changed the power load characteristics of base stations?

At the same time, the new equipment has altered the power load characteristics of base stations. In the 5G technology framework, the 5G base station comprises macro and micro variants. The micro base station serves indoor blind spots with minimal power consumption. The macro base station exhibits greater potential for demand response.

What is a 5G base station energy consumption prediction model?

According to the energy consumption characteristics of the base station, a 5G base station energy consumption prediction model based on the LSTM network is constructed to provide data support for the subsequent BSES aggregation and collaborative scheduling.



## Does the 5G base station use high voltage electricity for communication

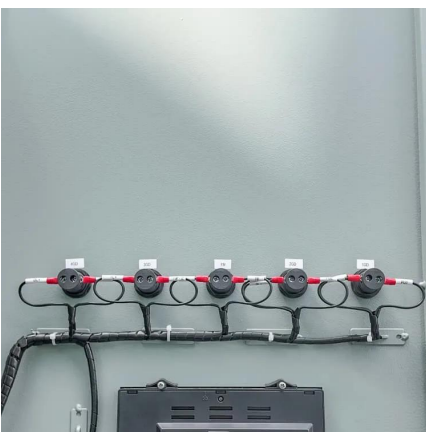


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**Collaborative optimization of distribution network and 5G base stations**

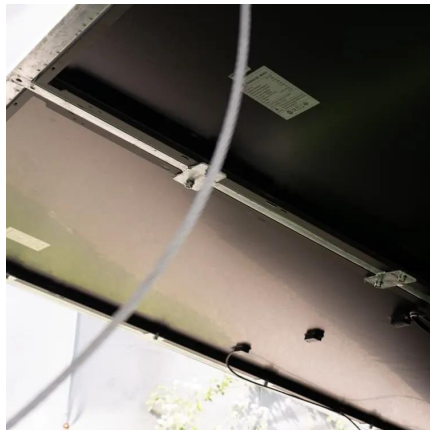
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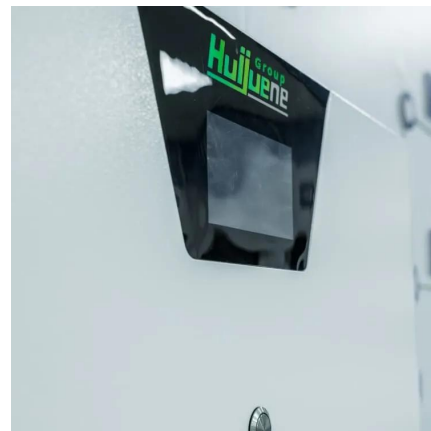


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