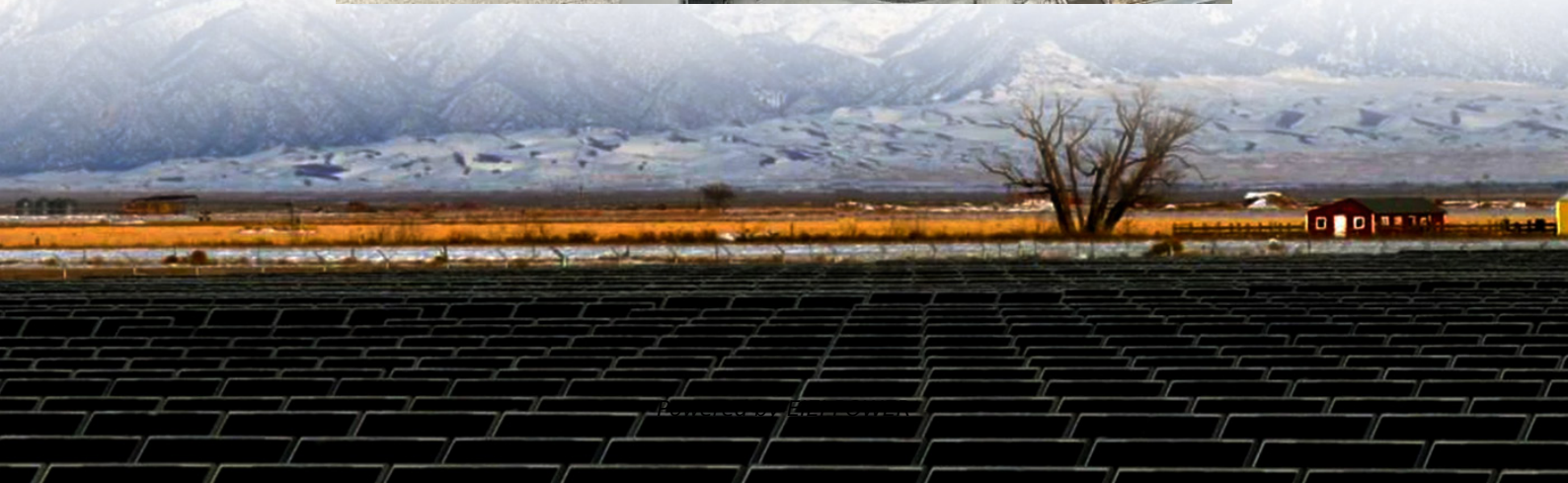


Uninterrupted power supply circular processing in base station room





Overview

What is clustering in cellular base stations?

Clustering is an effective solution. Aiming at the special requirements [.] Cellular base stations (BSs) are equipped with backup batteries to obtain the uninterruptible power supply (UPS) and maintain the power supply reliability.

Why are uninterruptible power supplies important?

Abstract: Businesses today invest large sums of money in their IT infrastructure, as well as the power required to keep it functioning. Uninterruptible power supplies (UPS) are an extremely important part of the electrical infrastructure where high levels of power quality and reliability are required.

Why do cellular base stations have backup batteries?

[.] Cellular base stations (BSs) are equipped with backup batteries to obtain the uninterruptible power supply (UPS) and maintain the power supply reliability. While maintaining the reliability, the backup batteries of 5G BSs have some spare capacity over time due to the traffic-sensitive characteristic of 5G BS electricity load.

Does a standby battery responding grid scheduling strategy perform better than constant battery capacity?

In addition, the model of a base station standby battery responding grid scheduling is established. The simulation results show that the standby battery scheduling strategy can perform better than the constant battery capacity. Content may be subject to copyright.



Uninterrupted power supply circular processing in base station room



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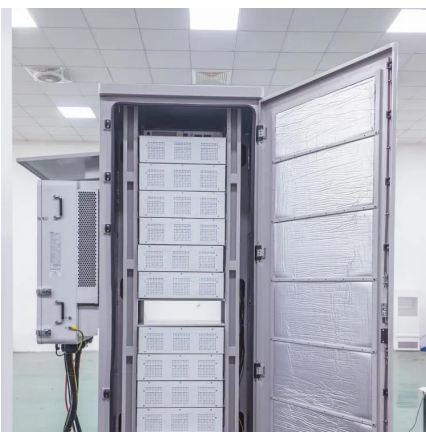
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...



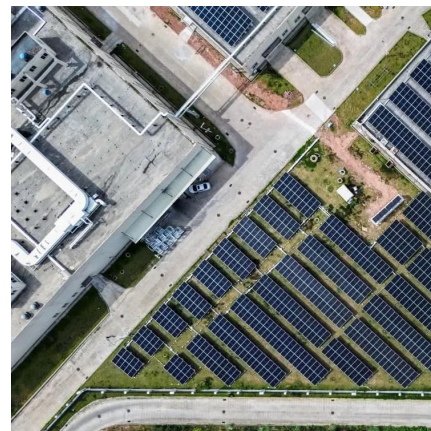
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