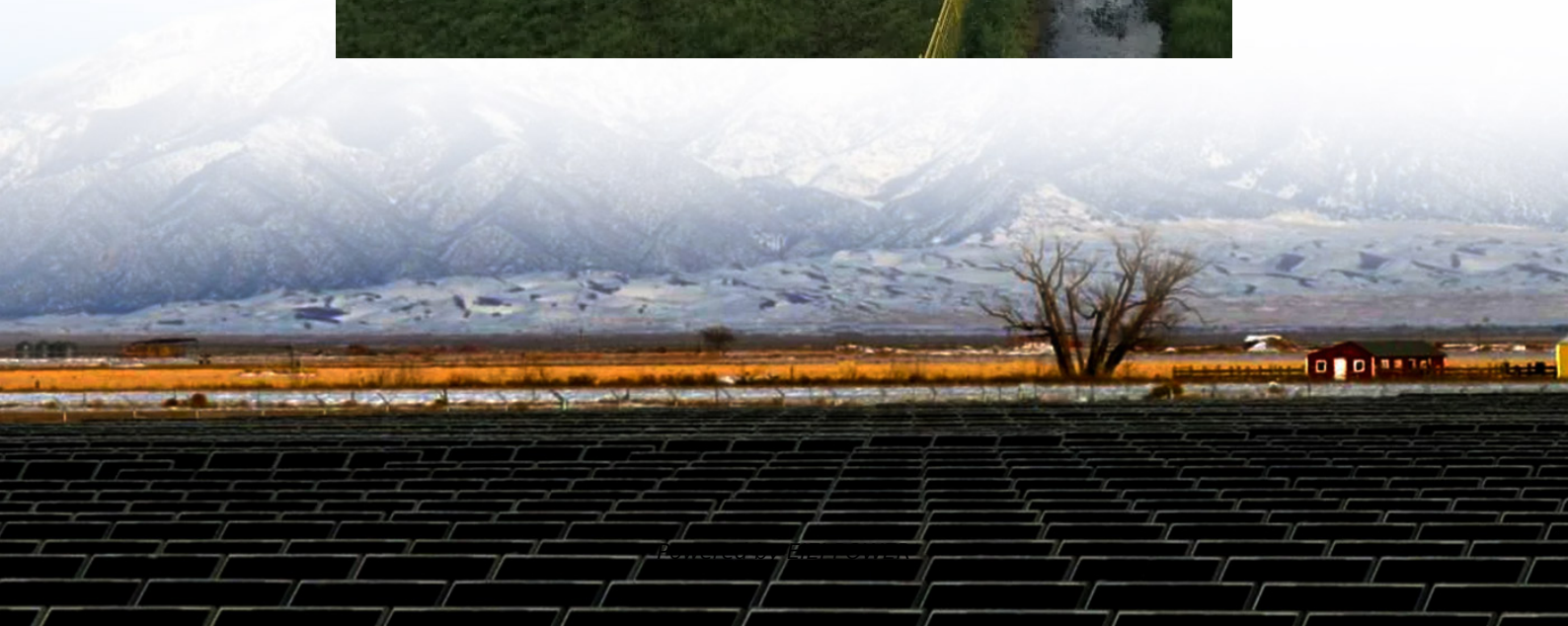
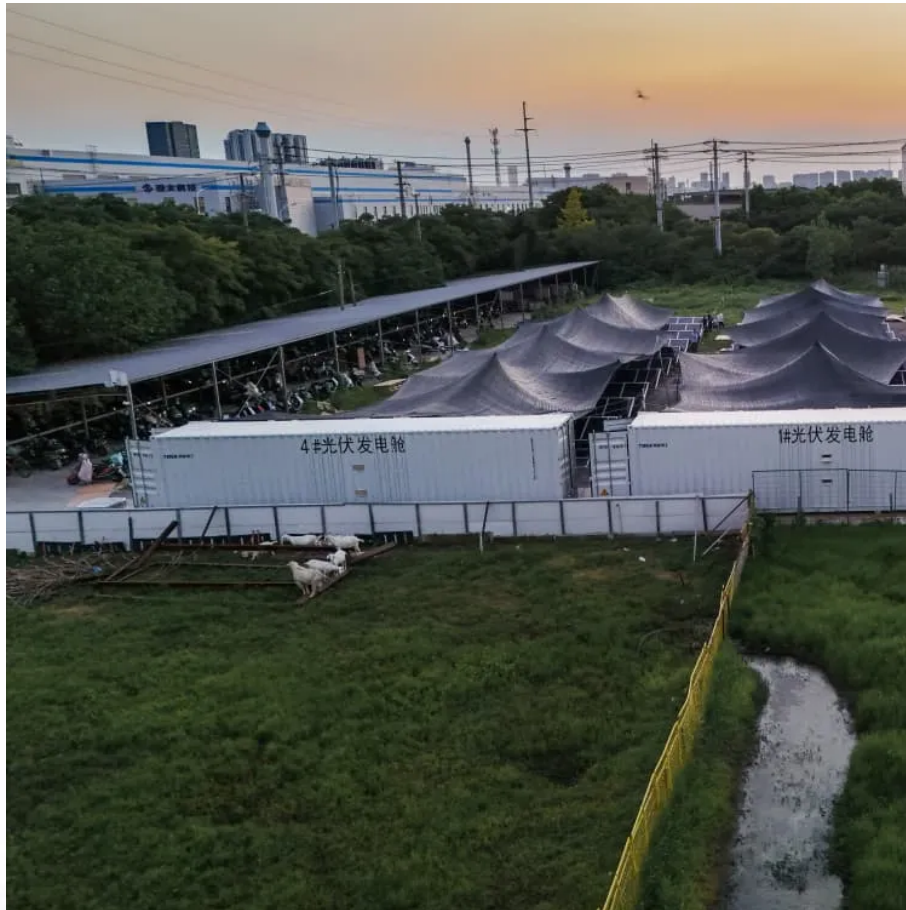


Base Station Power Supply Base Station





Overview

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.

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.

What is 5G base station?

5G base stations (BSs), which are the essential parts of the 5G network, are important user-side flexible resources in demand response (DR) for electric power system. However, a 5G BS has little and difference dispatchable potential, how to make massive 5G BSs participate in DR conveniently is an urgent problem to be solved.



Base Station Power Supply Base Station



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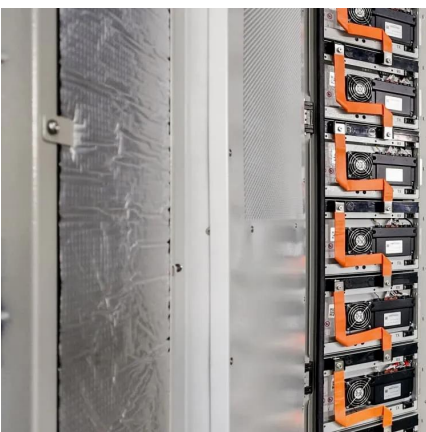
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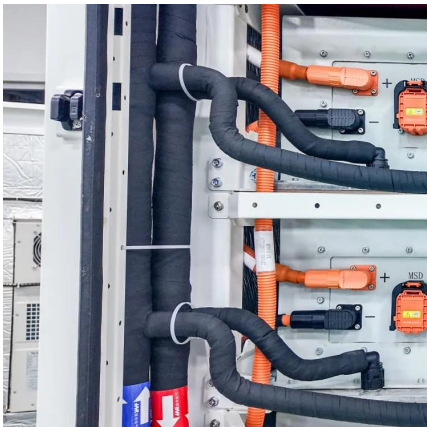


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Authored by: Alessandro Pevere, and Francesco Di Domenico, both at Infineon Technologies



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Our company has developed an integrated design of distributed base station power supply system for a variety of installation environments such as corridor, shaft, and outdoor environment.



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