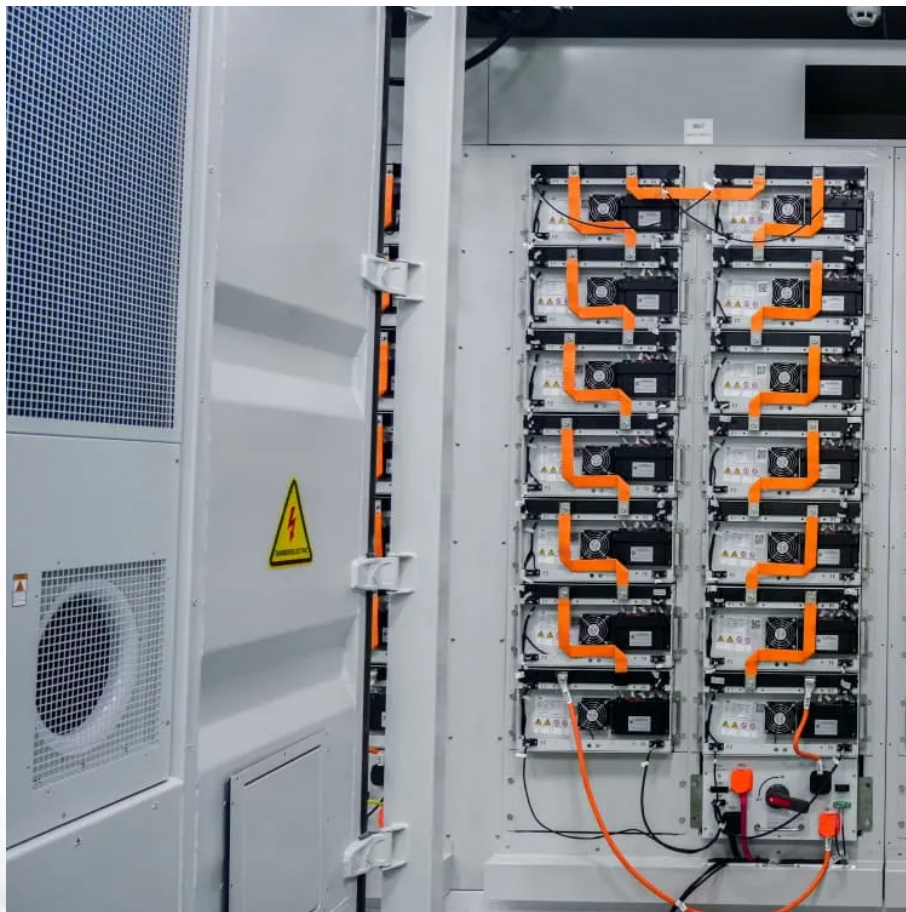


Southern Europe installs 5g base station equipment energy storage





Overview

What is the inner goal of a 5G base station?

The inner goal included the sleep mechanism of the base station, and the optimization of the energy storage charging and discharging strategy, for minimizing the daily electricity expenditure of the 5G base station system.

Does a 5G base station use energy storage power supply?

In this article, we assumed that the 5G base station adopted the mode of combining grid power supply with energy storage power supply.

What is a 5G Base station cooperative system?

A multi-base station cooperative system composed of 5G base stations was considered as the research object, and the outer goal was to maximize the net profit over the complete life cycle of the energy storage. Furthermore, the power and capacity of the energy storage configuration were optimized.

How to optimize energy storage planning and operation in 5G base stations?

In the optimal configuration of energy storage in 5G base stations, long-term planning and short-term operation of the energy storage are interconnected. Therefore, a two-layer optimization model was established to optimize the comprehensive benefits of energy storage planning and operation.



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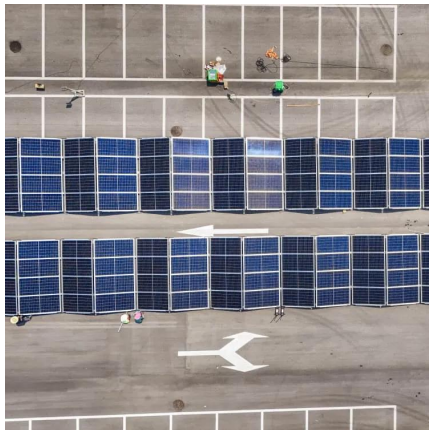
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