

Main performance indicators of 5G base station energy storage batteries





Overview

What is a 5G base station energy storage device?

During main power failures, the energy storage device provides emergency power for the communication equipment. A set of 5G base station main communication equipment is generally composed of a baseband BBU unit and multiple RF AAU units. Equation 1 serves as the base station load model:.

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.

Why should a 5G base station have a backup battery?

The backup battery of a 5G base station must ensure continuous power supply to it, in the case of a power failure. As the number of 5G base stations, and their power consumption increase significantly compared with that of 4G base stations, the demand for backup batteries increases simultaneously.

What is a 5G power supply?

The power supply equipment manages the distribution and conversion of electrical energy among equipment within the 5G base station. During main power failures, the energy storage device provides emergency power for the communication equipment.



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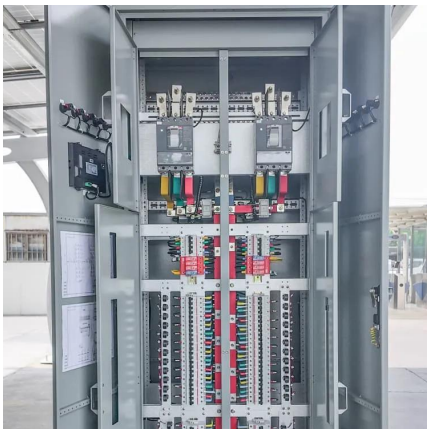
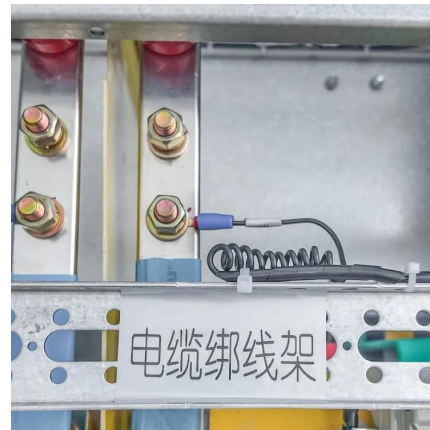


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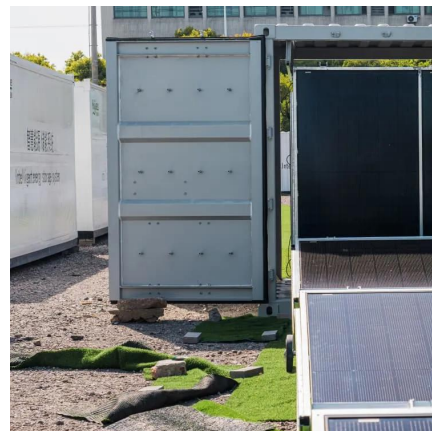
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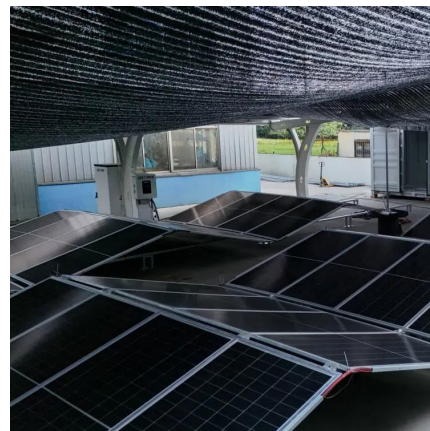


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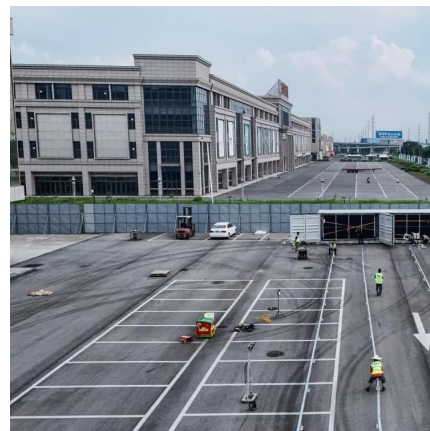


[5G Base Station Energy Storage Battery Data: Powering the ...](#)

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