The function of the battery cooling device of the communication base station

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The studied case is a radio base station (RBS) of high power density. Operating in outdoor scenarios, RBS requires unattended duty, maintenance-free, and long life-time. Compared ...

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Abstract: This paper improves a communication base station automatic cooling device, including a mobile device body driven by a peripheral mobile wheel. The device body includes a ...

Four most promising energy-saving cooling technologies including free cooling, liquid cooling, two-phase cooling and TES-based cooling are reviewed for the evaluation of ...

When the battery level is restored, the system automatically returns to normal state. In areas with particularly low temperatures, it also has a temperature compensation ...

Different ways of cooling currently used at Ericsson AB are presented in this paper, including different ways of improving the cooling system performance. By testing, the variation of battery ...

Remote monitoring and control of the cooling system is vital to ensure the working condition of the machines distributed in different base stations. When the power to a cellular antenna tower ...

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