

Base station power cabinet temperature range is zero





Overview

What is the temperature of a mobile communication base station?

(1) is 38.5 °C, which is lower than 40 °C, and meets the temperature control requirements of GB/T 51216 2017 "Technical Standard for Energy Conservation in Mobile Communication Base Station Engineering".

What is the energy saving rate of communication base station cooling system?

In the outdoor daily temperature range of 24–28 °C, 28–32 °C, 32–36 °C, 36–40 °C, the energy saving rate of the unit is 67.3 %, 65.2 %, 39.6 %, 6.9 %, respectively, which reduces the energy consumption of the communication base station cooling system to different degrees. Fig. 11. Average power and energy saving rates for different temperature ranges.

Can air distribution improve the temperature control effect of communication equipment?

The air distribution in the cabinet can be further optimized to improve the temperature control effect of communication equipment and reduce the energy consumption of cooling system. This study has certain reference value for temperature control of communication equipment and energy saving of base station cooling system. 1. Introduction.

Does BBU meet the temperature control requirements?

The unit was applied to a communication base station in Zhengzhou to conduct the field test. The results showed that BBU in the cabinet met the temperature control requirements of relevant standards under short-term high temperature and extreme high temperature conditions. There was no high temperature alarm.



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BackgroundUnattended base stations require an intelligent cooling system because of the strain they are exposed to. The sensitive telecom equipment is operating 24/7 with continuous load ...

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