

# 5g micro base station rated voltage





## Overview

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Will 5G use micro-cells?

Therefore, in 5G networks, high-frequency resources will no longer use macro base stations, micro-cells become the mainstream, and the small base stations will be used as the basic unit for ultra-intensive networking, that is, small base stations dense deployment.

What is a small cell in 5G?

Small cells are a new part of the 5G platform that increase network capacity and speed, while also having a lower deployment cost than macrocells. The compact size of a small cell requires that all components – especially power converters – provide high efficiency, better thermals and eventually the best power density possible.

What is the coverage area of 5G high-frequency base stations?

The radius of coverage area of 5G high-frequency base stations will be less than one-tenth of that of 4G base stations, and the coverage area of 5G high-frequency base stations will be less than one percent of that of 4G base stations. The deployment of macro base stations is difficult and the site resources are not easy to obtain.

What is HVDC system for 5G network?

With the increase of power density and voltage drops on the power transmission line in macro base, it is recommended to use HVDC system for the 5G network. Requirements to ICT equipment Power Supply Unit (PSU) and supporting facilities. -42V. It means that if the voltage drop is more than 6V, the ICT equipment will be protected.



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