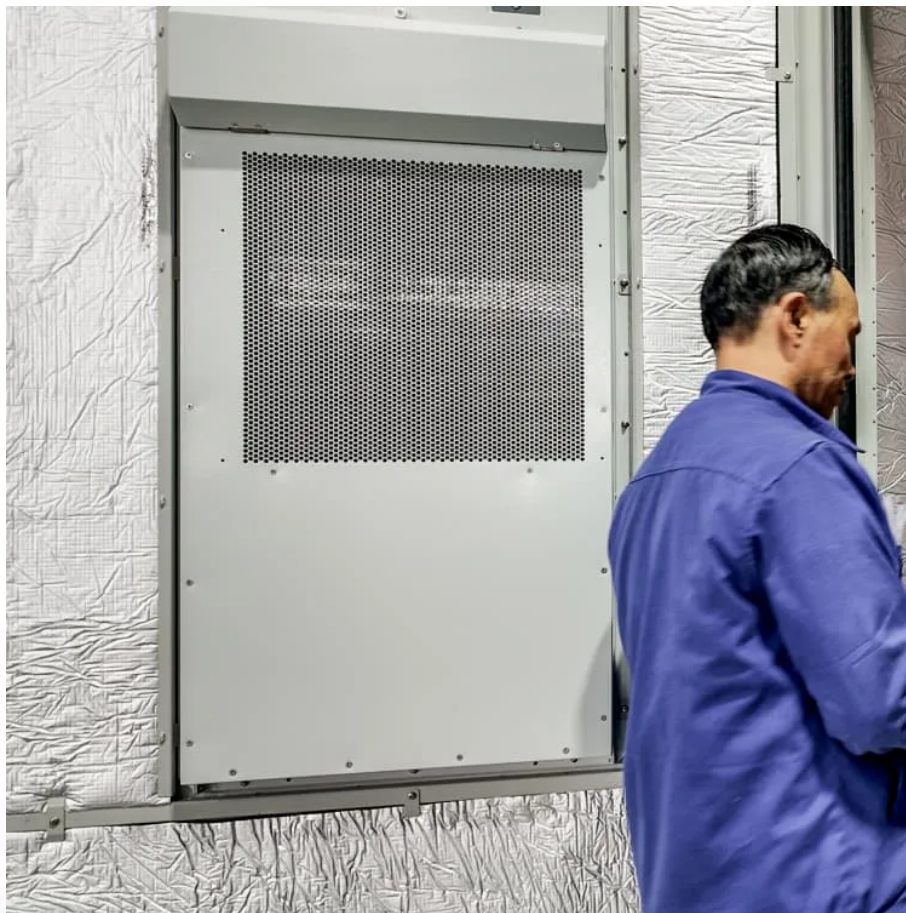


What is the appropriate voltage for 5G base stations





Overview

How much power does a 5G base station use?

Each nation has a different 5G strategy. For 5G, China uses 3.5GHz as the frequency. Then, a 5G base station resembles a 4G system, but it's on a much larger scale. For sub-6GHz in 5G, let's say you have a macro base station. The power levels at the antenna range from 40 watts, 80 watts or 100 watts.

What is the range of a 5G base station?

5G base stations use millimeter waves that are extremely limited in range. Each 5G base station has a range of between 800-1000 feet, or 0.15-0.19 miles. It makes up for its limited range by surpassing 4G in other key areas: data transfer speeds (bandwidth), latency, and capacity.

How many 5G base stations would a cell phone tower support?

Hundreds of 5G base stations will need to be installed to cover the area of a single cell phone tower. Even if just 100 base stations were required, 5G's would support at least 25,000 devices to 4G's 100. 5G smartphones are being released all the time.

How many antennas does a 5G base station have?

The base stations in a 5G network may be equipped with 64, 128, or even more antennas. The large number of antennas improves the spectrum efficiency with the formation of narrower beams.



What is the appropriate voltage for 5G base stations



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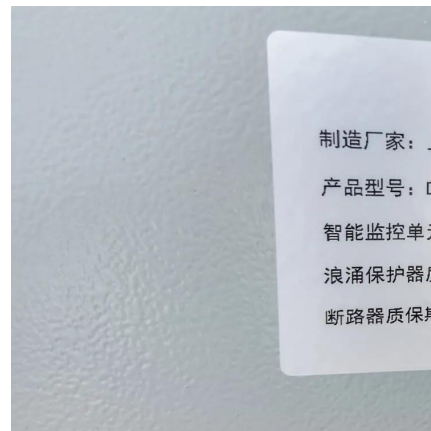


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