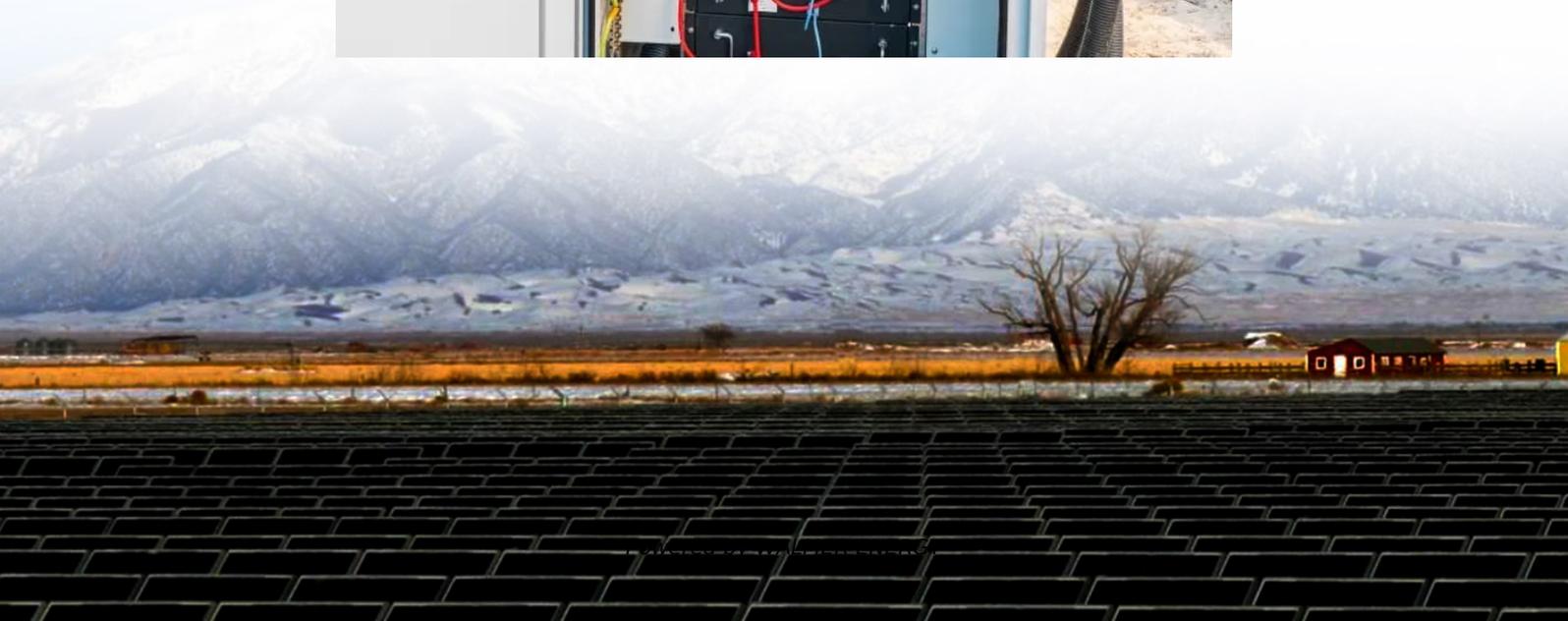


How many watts does the 5g base station battery have





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.

Why does 5G use more power than 4G?

The data here all comes from operators on the front lines, and we can draw the following valuable conclusions: The power consumption of a single 5G station is 2.5 to 3.5 times higher than that of a single 4G station. The main factor behind this increase in 5G power consumption is the high power usage of the active antenna unit (AAU).

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 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.



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