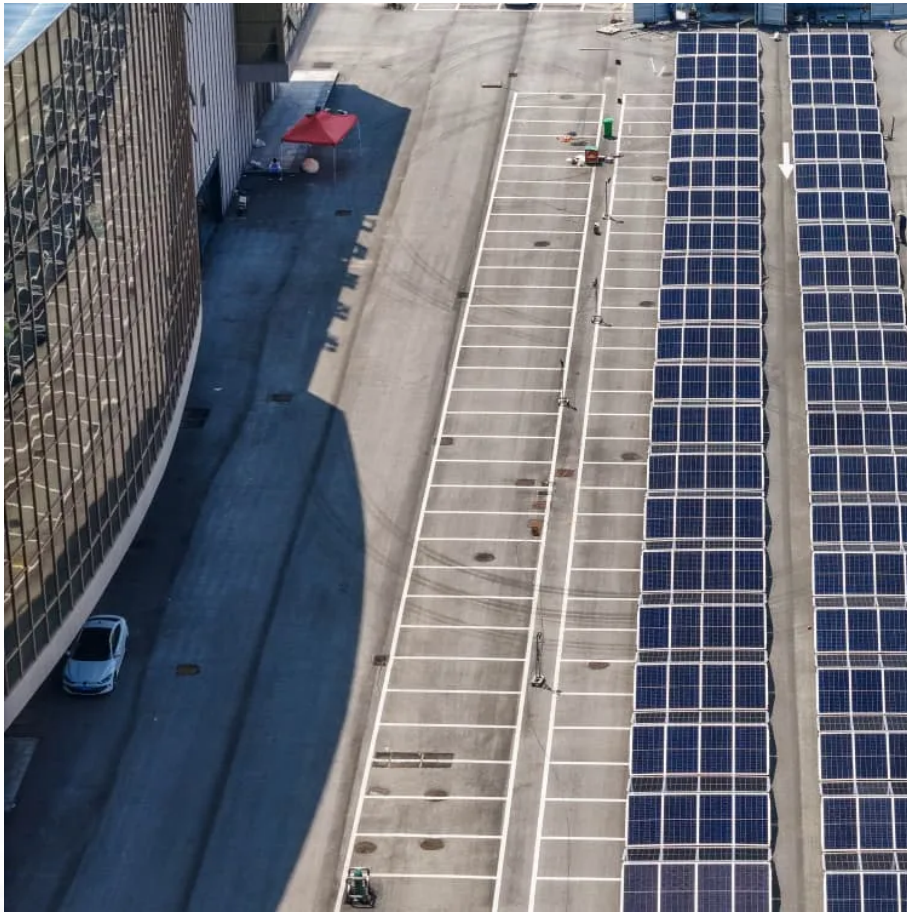


5g base station off-peak electricity price





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 5G base station?

1. Introduction 5G base station (BS), as an important electrical load, has been growing rapidly in the number and density to cope with the exponential growth of mobile data traffic . It is predicted that by 2025, there will be about 13.1 million BSs in the world, and the BS energy consumption will reach 200 billion kWh .

What are the prospects of the 5G base station market?

Because of the increased need for high-speed data with low latency, the 5G base station market is likely to develop significantly throughout the forecast period. Furthermore, the growth of the 5G IoT ecosystem and vital communication services is expected to provide lucrative prospects for the 5G base station market to expand.

How does mobile data traffic affect the energy consumption of 5G base stations?

The explosive growth of mobile data traffic has resulted in a significant increase in the energy consumption of 5G base stations (BSs).

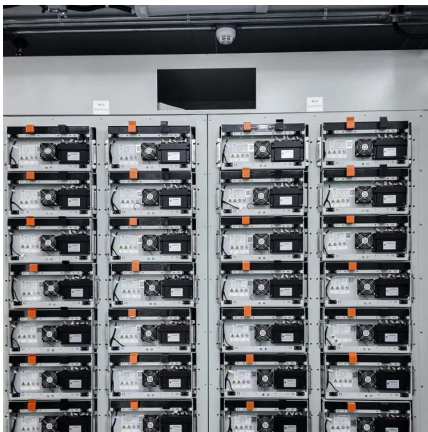


5g base station off-peak electricity price



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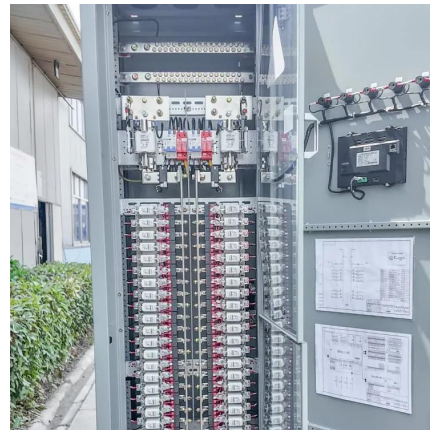


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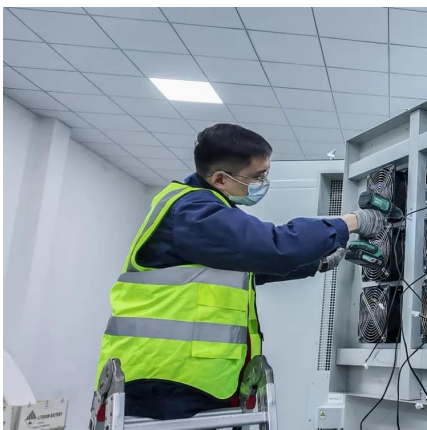
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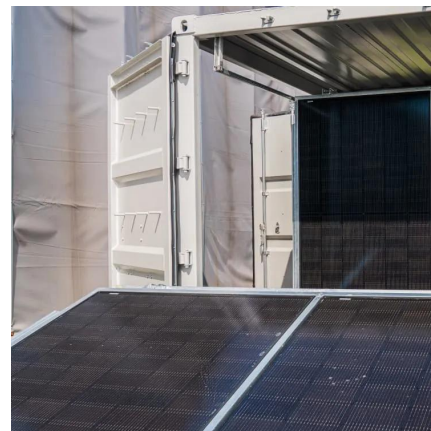


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