

SolarInnovate Energy Solutions

San Jose HJ Communications 5G Base Station Construction Bank Loan



Overview

How much electricity will a 5G base station save a year?

The current 200,000 base stations can save 1.2 billion annually. By the end of this year, 1 million 5G base stations will be built, saving 6 billion in a year. If there are more than 2 million base stations, 12 billion electricity can be saved a year, which is equivalent to China Unicom's total profit in one year.

How many 5G base stations in Shanghai?

According to the plan, the total number of 5G base stations in Shanghai's Hongqiao District will exceed 1,000 in two years. The total area of Hongqiao District is 23.5 square kilometers. According to the plan, about 50 base stations are required per square kilometer.

Why do we need a 5G base station?

TrendForce research vice president Kelly Hsieh indicates that, from a technical perspective, the growth in mobile data consumption, low-latency applications (such as self-driving cars, remote surgeries, and smart manufacturing), and large-scale M2M (smart cities) requires an increase in 5G base stations for support.

Will Huawei build a 5G base station in China?

As a result, Huawei is expected to focus its base station construction this year primarily in domestic China. Total 5G base stations in China are projected to exceed 600,000 in 2020, while Japanese and Korean equipment manufacturers aggressively expand in the overseas markets.

Why are 5G base stations being powered off every day?

Selected 5G base stations in China are being powered off every day from 21:00 to next day 9:00 to reduce energy consumption and lower electricity bills. 5G base stations are truly large consumers of energy such that electricity bills have become one of the biggest costs for 5G network operators.

Is 5G the world's top-level base station?

Look at this test data, this is already the world's top-level base station, produced by the world's top suppliers, using the most advanced chips from Japan and the United States. 5G base stations consume several times more power than 4G base stations.

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