

ContainerPower Energy Solutions

Brazil 5G base station electricity subsidies



Overview

How many Brazilian states have 5G?

According to the Agency, all Brazilian states already have the technology, with 815 Brazilian municipalities already served by 5G technology through 6 telecommunications service providers, totaling 28 million users, in addition to 195 cell phone models certified by Anatel that support 5G technology.

How many municipalities in Brazil are eligible for 5G?

On December 2024, Anatel announced that all 5,570 municipalities in Brazil are now eligible to receive SA 5G technology, marking a significant milestone in the expansion of the next-generation network. At the time of Anatel's latest data release, it was estimated that 770 municipalities already had active 5G networks.

Will Brazil's electricity reforms improve the long-term market balance?

Fitch Ratings-Sao Paulo/Toronto/Rio de Janeiro-02 June 2025: The Brazilian government's proposed electricity reforms could improve the long-term market balance and lead to more sustainable electricity pricing, which will have positive long-term implications for the sector, says Fitch Ratings.

What are the legal frameworks for 5G telecommunications?

The act references key legal frameworks, including the General Data Protection Law (LGPD), the Marco Civil Law of the Internet, and the Cybersecurity Regulation for telecommunications (Resolution No. 740/2020), establishing comprehensive guidelines for ensuring the security of 5G equipment.

Is 5G regulation applicable to all services relying on 5G networks?

Although general regulation is applicable to any service relying on 5G networks, specific rules established for the 5G auction in November 2021 demanded a series of gradual coverage targets and commitments.

What are the operational requirements for 5G?

In collaboration with the Brazilian National Civil Aviation Agency (ANAC), Anatel has established operational requirements for 5G stations operating in the 3.3 GHz to 3.7 GHz band, aiming to mitigate potential interference with aircraft radio altimeters and ensure the safety of aviation operations.

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