

SolarTech Power Solutions

Progress of hybrid energy 5G base stations in South America



Overview

Will 5G increase CapEx in Latin America?

Mobile operators in Latin America have invested \$54 billion in capex over the last five years – mostly on deploying and expanding 4G networks. The rollout of 5G networks across the region is expected to drive a slight increase in capex levels, but a spike is unlikely.

Will 5G SA be available in Brazil?

Moving to cloud-native infrastructure will be crucial to enable 5G standalone (5G SA) deployments. As is the case globally, most initial 5G deployments in Latin America have used a non-standalone (NSA) architecture. 5G networks in Brazil are a notable exception. 5G SA availability will increase in other parts of the region, however.

How will 5G impact Latin America?

Data correct as of January 2023. 5G is in its early stages of deployment in most countries of Latin America. However, as it is deployed, it will bring productivity and efficiency gains that will drive significant economic impact. These effects will reach more than \$60 billion in 2030, representing 0.9% of total GDP in the region.

Is 5G the future of AR gaming in Brazil?

Meanwhile, Claro Brasil, Ericsson and Niantic have conducted trials of AR gaming over 5G SA networks. 5G also brings new opportunities in the enterprise segment, as highlighted by growing demand for customised private 5G networks in Brazil.

Where is 5G SA available?

To date, 5G SA is only available in Brazil and Colombia in the region, with the former home to a much larger rollout of 5G SA networks. All major operators have deployed 5G SA in Brazil after the telecoms regulator issued obligations

for 5G SA rollout as part of the 5G spectrum auction.

Is 5G home broadband a good idea in Latin America?

According to a GSMA Intelligence survey, 5G home broadband is an extremely or very appealing proposition for two thirds of Latin American consumers. 5G FWA will mainly be used to facilitate first-time home broadband adoption in the region, in addition to improving speeds for households reliant on cable/DSL connections with lower performance.

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