

## **SolarInnovate Energy Solutions**

# **How many green communication base stations are there in India**



## Overview

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India had 469,000 5G base stations at the end of February, according to the latest available figures from the country's Ministry of Communications. How many 5G stations are there in India?

As of June 2024, there were around 448.7 thousand 5G base transceiver stations deployed in India. In less than two years, the number of 5G stations grew more than 24 times. Reliance Jio was the first Indian telecom provider to provide 5G service. It was followed by Bharti Airtel. Get notified via email when this statistic is updated.

Why is green energy important for Indian telecom industry?

One of the main priorities for the Indian telecom industry is the adoption of green energy solutions. In order to satisfy TRAI's quality requirements, telecom towers are currently implementing diesel-free sites and increasing grid power availability.

Why is the Green telecom movement gaining traction in India?

The green telecom movement is gaining traction in India and other countries due to several factors. First, increased global awareness of climate change and its potential consequences puts pressure on businesses and industries, including the telecom sector, to adopt sustainable practices and reduce carbon emissions.

How has mobile telephony impacted the telecom industry in India?

In the last ten years, the telecom industry in India has experienced remarkable growth, with mobile telephony bringing about a revolution in the country. The increasing popularity of cell phones and wireless communication devices has led to a significant rise in the number of mobile base transceiver stations (BTSs) being installed nationwide.

How does 5G affect power-on-demand in India?

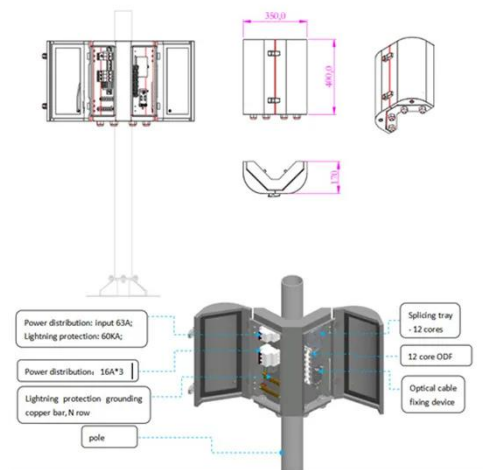
Furthermore, the introduction of 5G in India has resulted in an increase in data traffic, making it more difficult to provide telecom and tower firms with reliable and sustainable energy. In order to manage the switch to 5G, edge computing, IoT, and related technologies, power-on-demand must be stabilized.

How is India promoting a greener environment?

In light of this, the Indian telecom industry has implemented various sustainability initiatives to align with ESG targets and promote a greener environment. For instance, Airtel aims to reduce its greenhouse gas (GHG) emissions by 50.2% by FY2031 and achieve net zero emissions by 2050.

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