



**SolarTech Power Solutions**

# **United Arab Emirates 5G base station power supply fee**



## Overview

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How many 5G stations are there in the UAE?

5G is well-deployed in major urban areas and along main transport routes, but less so in more rural areas. The UAE is estimated to have approximately 7,000 5G base stations, representing seven stations per 10,000 residents. The two principal network operators (Etisalat by e& and Du) as well as the main VMNO Virgin Mobile offer 5G connectivity.

What is the UAE Strategy for 5G & beyond?

This is in line with the UAE Strategy for 5G and Beyond (2020-2025), which includes enabling and achieving long-term social and economic benefits in various areas such as manufacturing, transportation, healthcare, and education. The TDRA published a White Paper on 5G roles in Industry Digitalisation in the UAE in October 2022 (White Paper).

How big is the 5G base station market?

Macro cells represented USD 22.9 billion and 61.3% of the 2024 5G base station market share, providing umbrella coverage and mobility anchor services. Yet small cells are forecast to expand at a 29.4% CAGR, pushing their slice of the 5G base station market size toward USD 50 billion by 2030.

Is du deploying 5g-a Technology in the UAE?

Du launched its 5G SA technology in 2023 and has made significant strides in deploying 5G-Advanced (5G-A) technology in the UAE. Du is reported to have already installed hundreds of 5G-A base stations after carrying out 5G-A trials in October 2023, which paved the way for initial commercial launch of the technology in January 2024.

How many 5g-a base stations does du have?

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commercial launch of the technology in January 2024. Du plans to expand this network nationwide by 2026.

Is Etisalat 5G SA ready for mobile users?

Etisalat by e& also announced commercial deployment and service readiness of 5G SA for mobile users in October 2023, after the successful 5G SA service launch for Fixed Wireless Users (FWA) at the start of 2023, giving consumers access to a nationwide standalone (SA) 5G network.

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