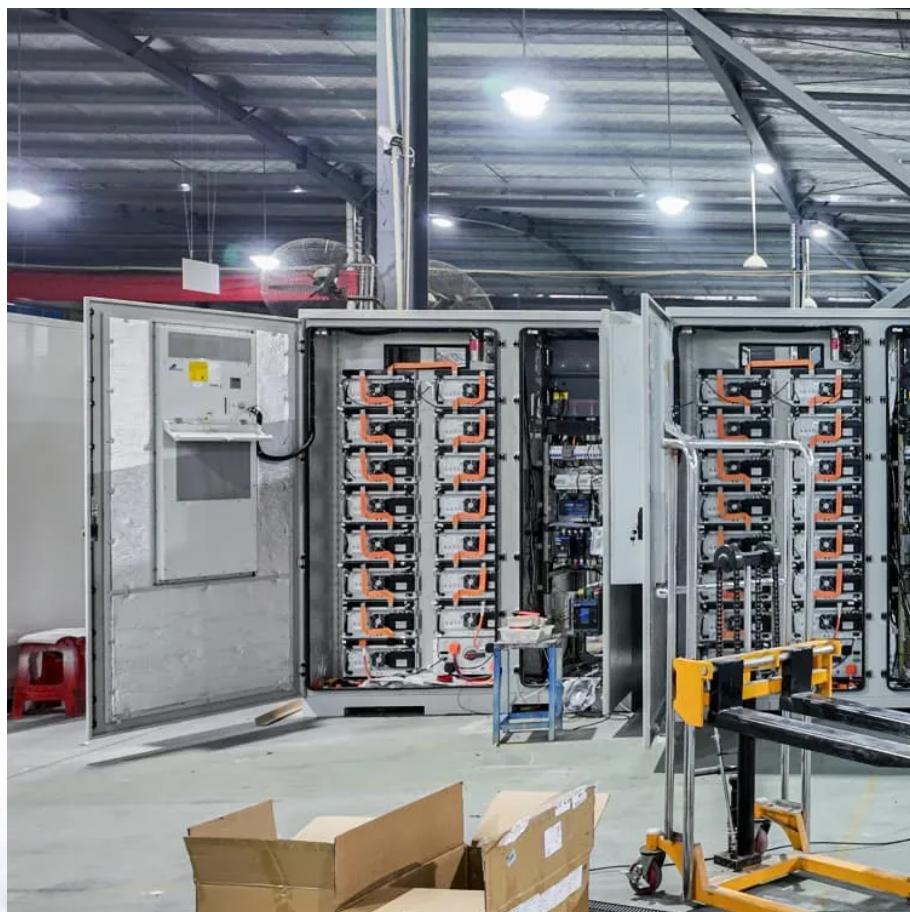


A-Core Container

Niger's requirements for wind power construction of communication base stations



Overview

What are the specifications for communication lattice towers & masts in Nigeria?

The following specifications apply to communication lattice towers and masts constructed and installed in Nigeria. The predominant load on tower structures shall be wind load. Each structure shall be made of hot dip galvanized steel sections. Masts may be guyed or free standing. The height of Free standing masts shall not exceed 150 metres.

What are RF requirements for a base station?

In the base station specifications, there is one set of RF requirements that is generic, applicable to what is called “general purpose” base stations. This is the original set of UTRA requirements developed in 3GPP release 99. It has no restrictions on base station output power and can be used for any deployment scenario.

How can the electronic industry reduce power requirements for base stations?

As a result, the electronic industry is exploring new methods to reduce the power requirements for the electronic equipment used in the base stations. The first approach is to make the base stations more tolerant to heat which will then require less power for air conditioning.

What are the requirements for building a tower structure?

All sections must be straight square sections to eliminate potential problems associated with twisting or the need to shim the legs. Typical tower sections are to have brace configuration with horizontals (z, x or k) and pivot base sections. These tower-structures should be wholly of steel, modular and hot-dip galvanized.

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