

## ContainerPower Energy Solutions

# Communication base station inverter equipment and applications



## Overview

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What is a mobile communication base station?

Mobile communication base station is a form of radio station, which refers to a radio transceiver station that transmits information between mobile phone terminals through a mobile communication exchange center in a certain radio coverage area.

Why is construction of mobile communication base stations important?

The construction of mobile communication base stations is an important part of the investment of mobile communication operators, and is generally carried out around factors such as coverage, call quality, investment benefits, construction difficulty, and maintenance convenience.

What is a micro base station?

A micro base station is mostly used in cities with a small coverage distance, generally 1-2 km, and directional coverage. A micro-micro base station is mostly used for blind spot coverage in urban hotspots. Generally, the transmission power is very small and the coverage distance is 500m or less.

What is a macro base station?

A macro base station refers to a wireless signal transmitting base station of a communication operator. A macro base station has a large coverage distance, generally 35 km, and is suitable for suburban areas with dispersed traffic. It has omnidirectional coverage and high power.

What is a distributed base station?

Distributed base stations divide traditional macro base station equipment into two functional modules according to their functions. The baseband, main control, transmission, clock and other functions of the base station are integrated into a module called baseband unit BBU (Base Band Unit).

What is a baseband unit?

The baseband, main control, transmission, clock and other functions of the base station are integrated into a module called baseband unit BBU (Base Band Unit). The baseband unit is small in size and has a very flexible installation location.

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