

## ContainerPower Energy Solutions

# Base station anti-misdistribution box



## Overview

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What is base station operation?

This topic introduces the concept of base station operation, provides information to help you identify good setup locations, describes best practices for setting up the equipment, and outlines the precautions that you need to take to protect the equipment.

What is a fake base station?

A fake base station is a well-known security issue in mobile networking. The fake base station exploits the vulnerability in the broadcasting message announcing.

What is a false base station?

Therefore, any base station broadcasting a foreign mobile country code is also a false base station. Similarly, deployment information of its legitimate base stations could be utilized by the network to detect inconsistencies in the measurement reports from devices. One example is to detect invalid identifiers broadcasted by false base stations.

What are fake base stations (IMSI catchers/Stingrays)?

Fake base stations (IMSI Catchers/Stingrays) are among the leading threats that operate silently and leave no trace. Today, these technologies are used not only for illegal surveillance but also for digital identity theft and data exfiltration.

What is a fake base station forensic analysis?

Fake base stations imitate legitimate cellular networks to trick mobile devices into connecting to them. Since devices automatically prefer the strongest signal, this redirection is often unavoidable. However, the forensic analysis begins right at this point. 2.1 Detection Methods.

Is a 2G base station a false base station?

For example, a network, which has phased out 2G deployments and offers only 3G, 4G and 5G, does not expect to see 2G base stations in measurement reports. Therefore, any 2G base station devices report in its network is a false base station. The network could also make use of the fact that foreign networks are not allowed to operate in its country.

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