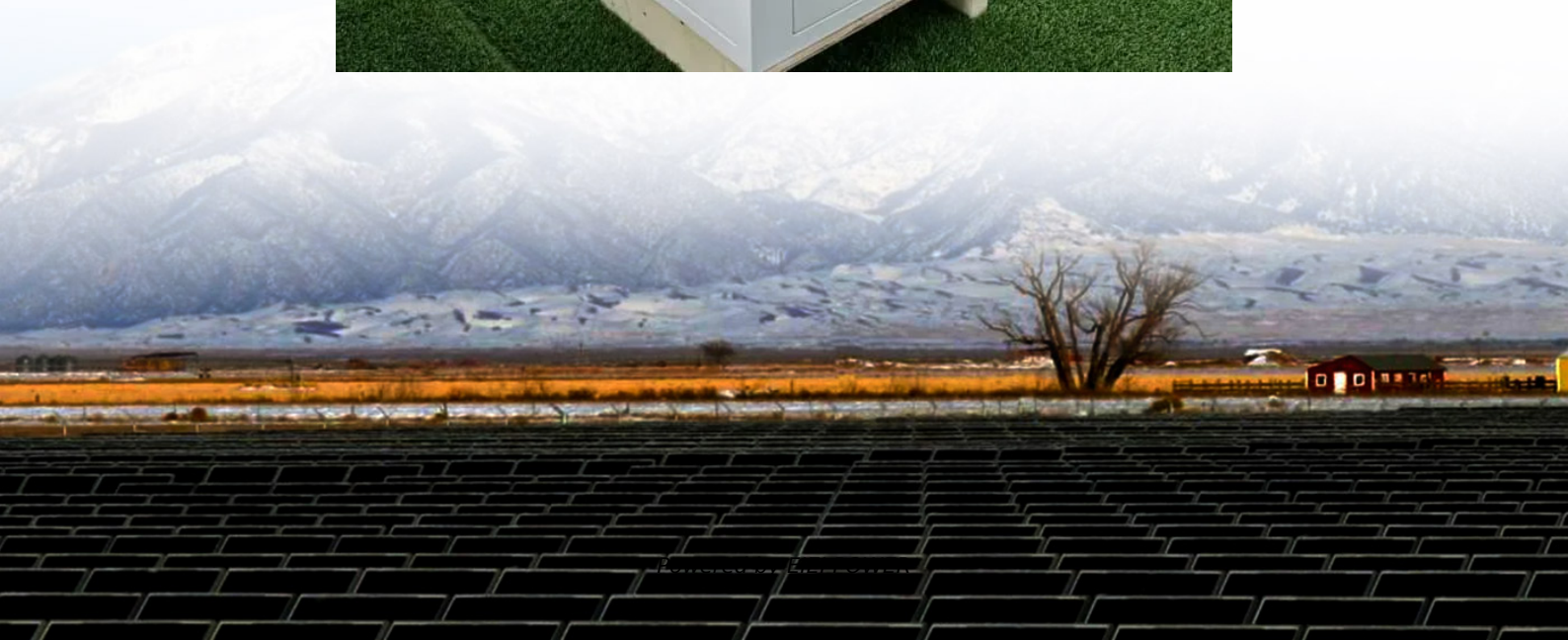


Base stations outdoor and indoor





Overview

What is a base station?

Base stations are one of the widely used components in the field of wireless communication and networks. It is an access point or base point of a particular area for network accessibility. In this article, we will discuss the different types of base stations with their advantages and applications in the real world.

What are the different types of base stations?

Some basic types of base stations are as follows: Macro-base stations are tall towers ranging from 50 to 200 feet in height, placed at strategic locations to provide maximum coverage in a given area. Those are equipped with large towers and antennas that transmit and receive radio signals from wireless devices.

Where is a base station antenna located?

The base station antennas are usually placed on rooftops, in masts or on building walls. Antennas are sometimes also installed in shopping malls, airports, offices, and other places with many mobile phone users. Indoor antennas are usually placed on walls or on ceilings. Each base station can only serve a limited number of mobile devices at a time.

Why do we need more base station antennas?

As the number of mobile devices in a community grows, more base stations are needed. For that reason, more antennas are needed in such crowded locations as shopping malls where there are many mobile phone users. However, the shorter the distance between base station antennas, the lower the output power of each antenna.



Base stations outdoor and indoor



5g base stations are divided into indoor and outdoor

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Annex: Base-Station Site Solutions

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Types of Base Stations

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[Base stations and networks](#)

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