

Solar Storage Container Solutions

What is an outdoor base station gateway



Overview

What is an outdoor compact base station?

Outdoor compact base stations These base stations are designed for installation in any type of outdoor scenario. They offer a high degree of IP protection, which allows them to operate in the most adverse conditions (rain, extreme heat, wind, humidity, saline environments.) without requiring an additional mechanical cover.

What is a base station?

What is Base Station?

A base station represents an access point for a wireless device to communicate within its coverage area. It usually connects the device to other networks or devices through a dedicated high bandwidth wire of fiber optic connection. Base stations typically have a transceiver, capable of sending and receiving wireless signals;.

What is an indoor base station?

Indoor base stations in rack format This is the most common type of base station, in which all its components are integrated in a rack-type cabinet, which provides more space for more modules or components. This can enable, for example, redundancy of all components, thereby improving system availability.

Why do small outdoor base stations have a better performance than rack-mount base stations?

In recent years, technological advances have meant that this base station format has improved its performance in terms of RF power and traffic channels. Thus, by adopting new signal processing techniques such as SDR (Software Defined Radio), small outdoor base stations have been able to match the performance of rack-mount base stations.

What is a transportable base station?

Due to the characteristics of size and ability to operate in hostile environmental conditions that we have reviewed in outdoor base stations, transportable base stations are ideal for installation in vehicles or, in general, to be used in mobility environments by incorporating transport accessories.

Why do we need a base station?

Technological advancements: The New technologies result in evolved base stations that support upgrades and enhancements such as 4G, 5G and beyond, its providing faster speeds with better bandwidth. Emergency services: They provide access to emergency services, so that in case of emergency, people can call through their mobile phones.

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