

SolarTech Power Solutions

What is the use of base station outdoor equipment



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 are base station antennas used for?

Base station antennas can also be used in emergency and public safety communication systems such as natural disaster response systems, accidents, military bases etc. Base station antennas are used in these emergency response systems as they can provide stable and reliable connectivity with high signal strength and quality.

What are the functions of a base station?

2. Antenna: The base station has one or more antennas to transmit and receive signals. Antennas are responsible for radiating the signals into the air and capturing the signals from the air. 3. Baseband processing unit: It is responsible for processing the signals received from the transceiver.

Why should a base station have its own system?

It is also valuable that it includes its own system for the simple management of the base station and its users, so that functions such as adding and deleting groups and terminals, modifying operating parameters in real time, monitoring the status of the unit and displaying alarms in real time, among others, can be carried out.

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.

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Base stations and networks

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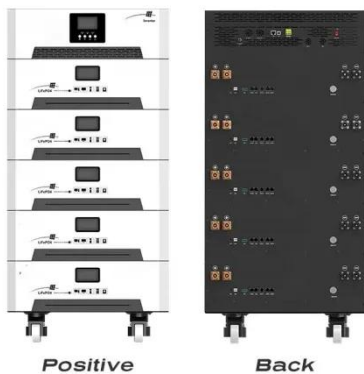


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