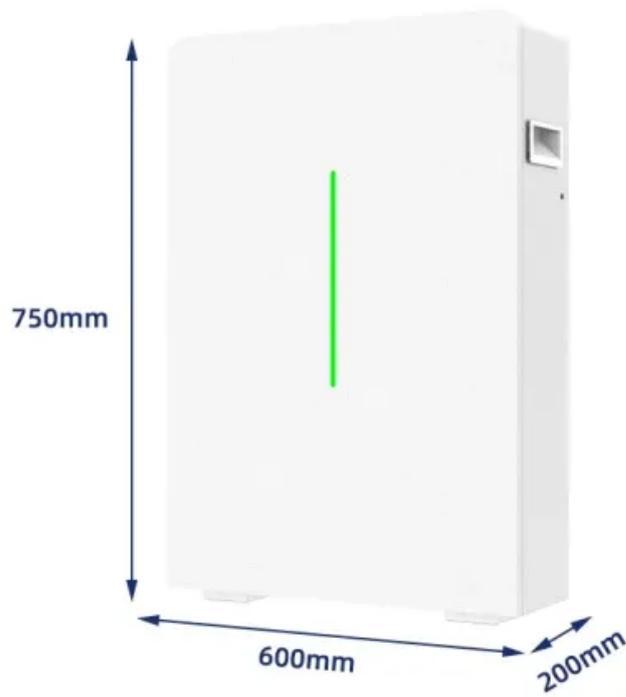


SolarInvert Energy Solutions

Base station site documentation production



Overview

What is a base station transmitter?

The goal of Base Station Transmits is to discuss challenges faced by engineers and technicians who must optimize today's wireless networks. Topics include antenna systems, backhaul testing, interference, and meeting key performance indicators (KPIs).

How do new base stations work?

Many new base stations utilize fiber optics from the tower base to the remote radio head (RRH) atop the tower. Short RF cables connect the RRH to the antennas. Installation teams arrive on site and conduct line sweeps on the RF cable feeds and properly align the antennas based upon MoP specifications.

What does a live base station measurement entail?

If measurements on a live base station are required, the field engineer or technician needs to extract the "beamed" transmission in the direction to be evaluated, as well as know the intended EIRP. This means the test instrument must be able to track the on/off periods of the signal and use that information to control the measurement timing.

Why should new base stations be based on app-based processes?

Using app-based processes can save time and money when conducting this necessary and important step that helps ensure new base stations are installed within compliance of the Method of Procedure (MoP). Many new base stations utilize fiber optics from the tower base to the remote radio head (RRH) atop the tower.

How can a base station be tested?

It is also possible for fault finding and commissioning teams to place the base station in a test mode where it transmits a known "test model" signal in a given direction and strength. This allows radiation patterns to be established

and field strength in complex environments to be measured.

How many packages are used in a distributed base station?

Each antenna is configured with one package when the base station is configured with RFUs. The number of packages is determined by the number of antennas(1). This package is used in common areas. Each antenna in a distributed base station is configured with one package. The number of packages is determined by the number of antennas(1).

Base station site documentation production



MTS4 Cost Effective TETRA Base Station

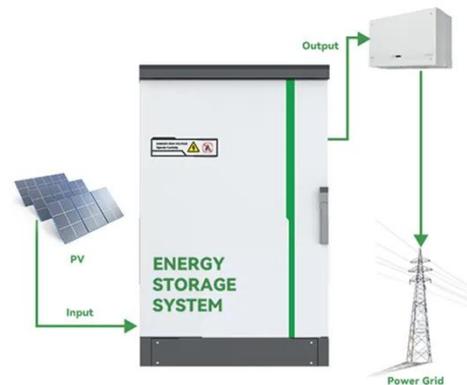
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TS 138 113

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BASE STATION

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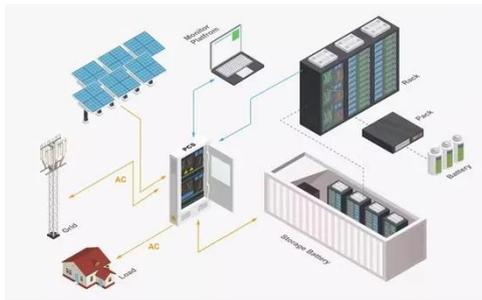


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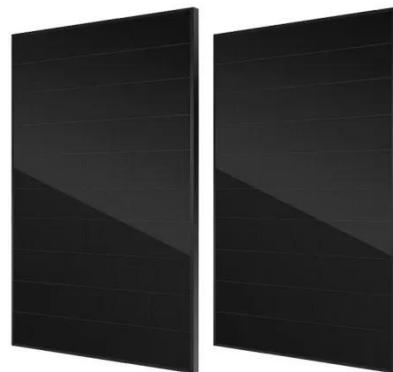
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