

5g base station electrical cabinet





Overview

What is a base station power supply?

This acts as the “blood supply” of the base station, ensuring uninterrupted power. It includes: AC distribution box: Distributes mains power and offers surge protection. Switch-mode power supply: Converts and stabilizes power while managing DC output. Battery banks: Serve as backup power to keep systems running during outages. 3.

What is a 5G Brain Center?

Often referred to as the brain center, this includes: Baseband Unit (BBU): Handles baseband signal processing. Remote Radio Unit (RRU): Converts signals to radio frequencies for transmission. Active Antenna Unit (AAU): Integrates RRU and antenna for 5G-era efficiency. 2. Power Supply System.

What is a radio cabinet?

The cabinet houses critical components like main base station equipment, transmission equipment, power supply systems, and battery banks. Meanwhile, the pole serves as a mounting point for antennas, Remote Radio Units (RRUs), and other equipment, often resembling a “candied hawthorn stick” in its configuration.

What are the benefits of a base station?

Base stations, while small in structure, are equipped with everything necessary to operate independently. They ensure: Protection against environmental factors like wind, rain, and lightning. Uninterrupted power supply through robust systems and backup solutions. Efficient signal transmission to connect users to the broader network.



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