

# **5g base station supporting power station**





## Overview

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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 base station power system?

The base station power system serves as a continuous "blood supply pump station," responsible for AC/DC conversion, filtering, voltage stabilization, and backup power. Its purpose is to ensure the uninterrupted operation of base station equipment.

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.

What does a base station do?

The base station, positioned between users and data centers, is the first responder to user requests. It relays signals efficiently, ensuring users stay connected. This image highlights the compact but comprehensive nature of base stations, showcasing their integration of protective enclosures, power systems, and antennas. 3.



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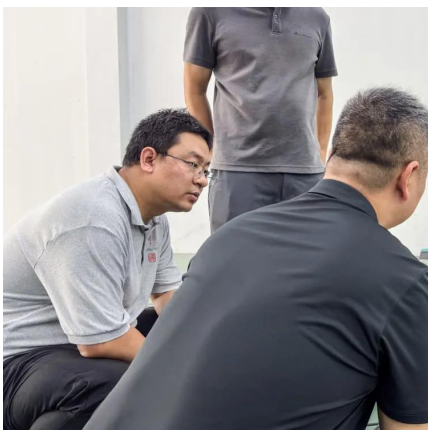
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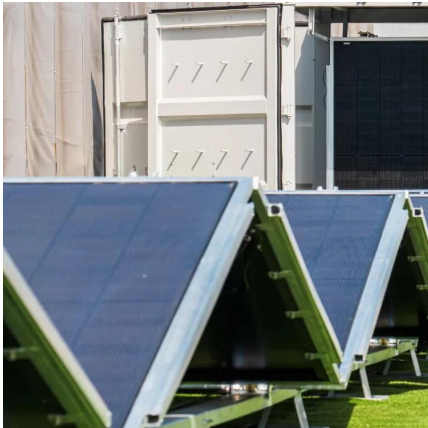
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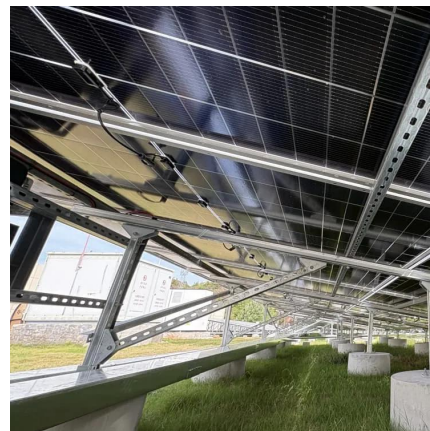


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