
Solar container communication station lead-acid battery BBU and RRU

How many logical base stations does a BBU generate?

For macro stations, one BBU generates one logical base station (a base station consists of BBU, RRU, and antennas). One BBU connects to three RRUs (in general cases, excluding remote scenarios or situations in 3G where some macro stations correspond to four cells). One RRU corresponds to one antenna, and one antenna corresponds to one sector.

What is a remote radio unit (RRU)?

The main functions of the Remote Radio Unit (RRU) include: Communicating with the baseband pool (BBU) through optical fiber, including I/Q data and operation and maintenance messages. Connecting to the antenna array via RF cables to perform RF signal transmission and reception.

How does RRU connect to BBU?

Via optical fiber The RRU connects to the BBU, forming a new "distributed" architecture. At the base of the tower, the BBU is located while the RRU is at the top of the tower. The RRU is further connected to the antennas via coaxial cables and power dividers (couplers), with the main trunk using optical fiber and the branch lines using coaxial cables.

What are RRU & BBU?

RRU and BBU are crucial components in base station construction, enabling a distributed architecture that improves efficiency and reliability. RRU (Radio Remote Unit) and BBU (Building Baseband Unit) are indispensable components in base station construction and FTTH.

In an era where lithium-ion dominates headlines, communication base station lead-acid batteries still power 68% of global telecom towers. But how long can this 150-year-old technology ...

Battery for communication base station energy storage system With their small size, lightweight, high-temperature performance, fast recharge rate and longer life, the lithium-ion battery has ...

A solar power container is a pre-fabricated, portable unit--typically housed in a standard shipping container--that integrates photovoltaic panels, inverters, battery storage, ...

Application Scenarios: - FTTH, FTTH, RRU, BBU, and other small-scale mobile communication fields. - Suitable for various communication storage scenarios, such as communication base ...

compared with lead-acid batteries, when the discharge resistance loss is small, low calorific value, compact installation space (about 1/3) with capacity of lead-acid, light weight ...

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