

How to connect the base station RRU power supply head

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How do you connect a RRU to a power supply?

A simple 2-wire DC power cable connects the RRU to the power supply. When the RRU is placed in a mast, a shielded DC power cable is recommended to provide extra protection against lightning. The required thickness of the DC power cable increases linearly with the distance between the RRU and the power supply.

How does RRU connect to BBU?

Via optical fiber. The RRU connects to the BBU, forming a new "distributed" system. At the base of the tower locates BBU 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.

How to connect RRU power cable to dcdu-03c?

The RRU power cable is connected to LOAD0 to LOAD5 on the DCDU-03C. At the end of the RRU power cable connected to the DCDU-03C, you need to make the shielding layer of the power cable into an OT terminal, and then connect the OT terminal to the PGND terminal of the corresponding port on the DCDU-03C.

How do I connect a RRU power cable to a PDU?

The RRU power cable is connected to one group of the RRU0 to RRU5 terminals of the PDU. Strip the jacket off the RRU power cable for a small part, press the exposed shielding layer on the strap, and then connect the PGND cable on the strap to the nearest grounding bolt on the side in the APM30/APM30H.

Page 122 Step 1 Connect the tool-less female connector (pressfit type) at one end of the RRU power cable to the power supply socket on the RRU, ...

A Remote Radio Unit (RRU), commonly referred to as a Remote Radio Head (RRH), is a transceiver that

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Product description of the Ericsson RBS 3418 Main-Remote Radio Base Station, covering specs, configurations, installation, and operation.

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The Remote Radio Head (RRH) architecture consists of a baseband unit (BBU) and a remote radio unit (RRU). Both the BBU and RRU are connected using fiber optic cables to transport ...

The Radio Frequency Remote Unit (RRU) is a vital device that converts baseband signals into radio frequency signals and amplifies their power. Collaborating with BBU, it enables ...

RRU and BBU are crucial components in base station construction, enabling a distributed architecture that improves efficiency ...

RRU and BBU are crucial components in base station construction, enabling a distributed architecture that improves efficiency and reliability.

Connectivity to BBU: The RRU connects to the BBU through a bi-directional fiber optic link, usually using the Common Public Radio Interface (CPRI).

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Installing the DC RRU o RRU Cable Installation Scenarios RRU+PS4890 DC RRU power cable CPRI optical cable LOAD0 Shielding layer of DC RRU power cable z When connecting the DC ...

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the power supply socket on the RRU, as shown in Figure 8-29.

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