

Base station power supply connected to bbu





Overview

What is a battery backup unit (BBU) & a power supply unit (PSU)?

The pressure to meet this demand is most apparent in the design of Battery Backup Units (BBUs) and Power Supply Units (PSUs), where connectors must support high currents, dense packaging, hot-swap functionality, and low resistance, all while maintaining mechanical robustness and signal integrity.

What is a BBU & how does it work?

BBUs are stacked up to provide backup power to the UPS. These are monitored by the Power Monitoring Interface (PMI), which is connected to a power shelf comprising Power Supply Units (PSUs).

What is a baseband unit (BBU)?

The baseband unit (BBU) is a crucial component in mobile base stations, handling tasks like signal processing, resource allocation, and protocol management to ensure efficient communication between mobile devices and networks. It also ensures security through encryption and manages interference and network operations.

What is auxiliary power in Analog Devices battery backup unit (BBU)?

Part 5 of this article series explains the significance of auxiliary power within the Analog Devices battery backup unit (BBU) reference design. Auxiliary power encompasses supplementary voltage rails, provided alongside the primary power output, to bolster numerous components and functionalities.



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Baseband Unit (BBU)

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In addition, for 3-sector base stations equipped with excess channel boards and excess baseband processing equipment, baseband pool sharing technology can be used to set the excess ...



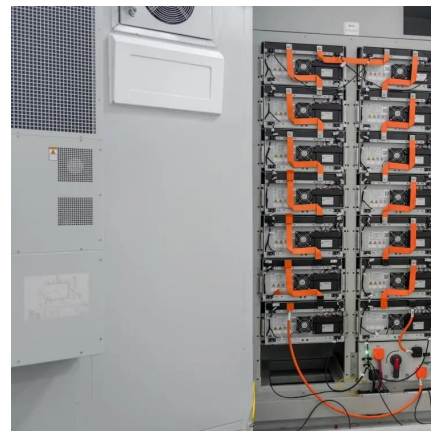
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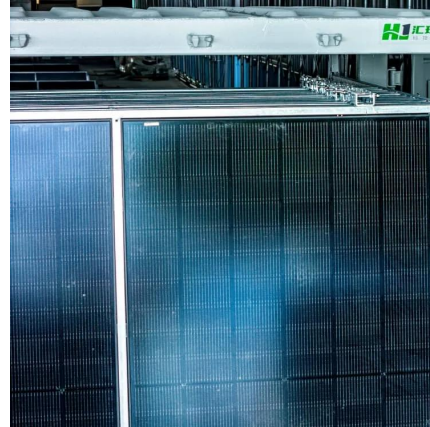
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