ContainerPower Energy Solutions

Communication base station power supply voltage

Overview

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Power factor corrected (PFC) AC/DC power supplies with load sharing and redundancy (N+1) at the front-end feed dense, high efficiency DC/DC modules and point-of-load converters on the back-end. A power efficient design is required that supplies both the higher voltage analog circuits and multiple.

However, the –48 V DC must first be efficiently converted to a positive intermediate bus voltage before it can be boosted to power the PA or stepped down to a positive workable supply for the digital baseband units (BBU). A power supply with a capacity of 100 W to 350 W was sufficient to cover many.

The use of -48V power supply in communication base stations is largely due to historical reasons. Historically, equipment in the communication industry has always used -48V DC power supply. -48V is the positive ground. Because the smallest communication network and communication engineering are all.

Why does -48V DC power supply become the power supply voltage of communication base station?

Communication base station power supply in the tower room power supply system is an essential and important part of the mobile communication network. The current communication power supply voltage level is.

The base station power cabinet is a key equipment ensuring continuous power supply to base station devices, with LLVD (Load Low Voltage Disconnect) and BLVD (Battery Low Voltage Disconnect) being two important protection mechanisms in the power cabinet. This article will provide a detailed analysis.

The AC power supply system consists of a mains power supply, an oil generator power supply, a transformer, an AC distribution unit, etc. The mains power supply converts high voltage electricity into low voltage AC electricity suitable for base station equipment through a transformer, and.

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