

# How to connect the power supply of Sucre integrated base station





## Overview

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What is uninterruptible power supply (UPS)?

Uninterruptible power supply (UPS) is the last line of defense to ensure the safe and stable operation of the key equipment of the communication base station. There are many stringent requirements on the security and reliability of BMS, and dauntu energy storage has made full preparations.

What is a 3G base station converter?

In a 3G Base Station application, two converters are used to provide the +27V distribution bus voltage during normal conditions and power outages.

What are hybrid isolated power supply topologies?

Competing with these new POL modules are hybrid isolated power supply topologies, such as the cascaded current-fed or voltage-fed push-pull converters. Semiconductor suppliers are enabling power supply system designers to embed low-cost compact isolated power supplies directly onto their motherboards and line cards.

What is a preferred power supply architecture for DSL applications?

A preferred power supply architecture for DSL applications is illustrated in Fig. 2. A push-pull converter is used to convert the 48V input voltage to +/-12V and to provide electrical isolation. Synchronous buck converters powered off of the +12V rail generate various low-voltage outputs.



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Additionally, these 5G cells will also include more integrated antennas to apply the massive multiple input, multiple output (MIMO) techniques for reliable connections. As a result, a ...

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