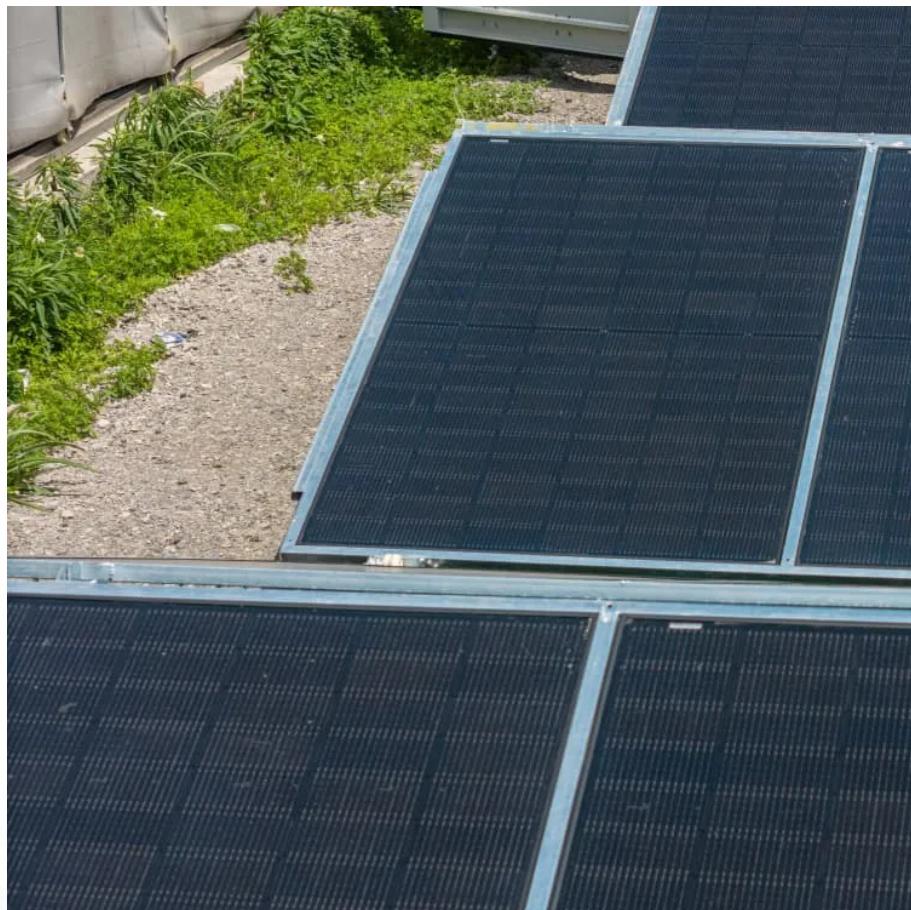




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# **Dual module base station power supply**





## Overview

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What is a dual power supply in a distribution room?

In other words, a distribution room is equipped with two independent power sources (from two different supply systems) to ensure uninterrupted power supply, referred to as a dual power supply. During normal operation, one power source supplies power while the other acts as a backup.

What are the components of a dual power supply?

The components of a dual power supply typically include two power sources, such as batteries or power supplies, along with a circuitry that allows for automatic switching between the sources. The switching circuitry monitors the voltage levels of both power sources and automatically selects the one with the higher voltage as the primary source.

Why should you choose a dual power supply setup?

Moreover, dual power supply setups allow for enhanced reliability. By sharing the load between two power sources, each power supply operates at a lower stress level, prolonging their lifespan and reducing the risk of overheating or malfunction.

What is a dual power transfer switch?

On the other hand, a dual power transfer switch is a device used in dual power systems to achieve automatic power switching. When the primary power source fails or there is a power outage, the dual power transfer switch can automatically detect and switch to the standby power source, ensuring uninterrupted operation of equipment or systems.



## Dual module base station power supply



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Building better power supplies for 5G base stations  
Authored by: Alessandro Pevere, and Francesco Di Domenico, both at Infineon Technologies

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#### **What is dual power supply? What is the difference**



### **between dual power**

Dual power supplies are widely used in applications requiring high-reliability power supply systems, such as communication base stations, data centers, and medical equipment.

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For macro base stations, Cheng Wentao of Infineon gave some suggestions on the optimization of primary and secondary power supplies. "In terms of primary power supply, we ...

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