

# **What are the functions of high-efficiency power supply for base stations**





## Overview

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What is a high efficiency power supply?

These power supplies typically exhibit efficiency ratings that exceed 85%, with many contemporary models achieving efficiency levels of 90% or higher. This increased efficiency not only leads to reduced energy costs but also diminishes heat generation, facilitating the design of smaller and more compact units.

What is a switching power supply?

Switching power supplies demonstrate a high level of efficiency by converting power through high-frequency switching, rendering them suitable for use in computers and various electronic devices. These power supplies typically exhibit efficiency ratings that exceed 85%, with many contemporary models achieving efficiency levels of 90% or higher.

What are power supplies used for?

Power supplies serve a wide range of applications, encompassing consumer electronics, industrial machinery, and telecommunications. In the realm of consumer electronics, power supplies are essential for devices such as laptops and smartphones, ensuring efficient energy utilization.

Why do we need a WBG server power supply?

To meet the need for improved efficiency, lower operating and lower BOM costs, there is renewed interest in WBG (Wide Bandgap) solutions. The same can be said for the efforts to push Server power supplies to ever increasing levels of efficiency with minimal heat loss.



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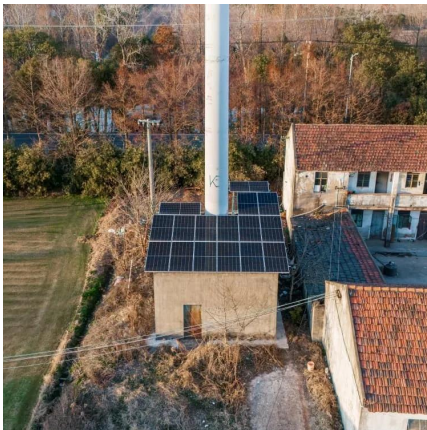
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