EIEI POWER

PC power supply and energy storage power supply

Overview

What is a computer power supply?

A computer power supply unit (PSU) is the heart of your system, which gives life to your PC and delivers electricity to all the key components inside. Power supplies take AC power from your outlet and turn it into specific DC voltages (3.3V, 5V, and 12V).

How important is a power supply unit when building a PC?

When building a PC, the power supply unit (PSU) is often overlooked. Many builders neglect careful selection, but choosing the right PSU ensures system stability, extends component lifespan, and protects your hardware investment. A reliable PSU delivers consistent, clean power to all components, reducing the risk of crashes, freezes, and damage.

How do PC power supplies work?

The general function of a PC power supply unit is to convert alternating current (AC) from a wall outlet or power source into direct current (DC) energy that system components can handle.

What makes a good PC power supply?

Whether you're crafting a high-performance gaming rig or a rock-solid workstation, the best PC power supply is the foundation of a stable, reliable system. The right PSU (Power Supply Unit) ensures clean, efficient power delivery for your components—maximizing performance today and future-proofing for tomorrow.

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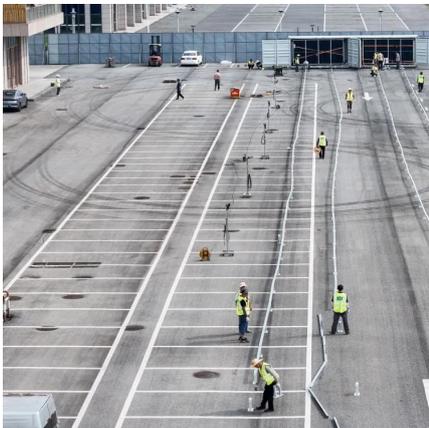

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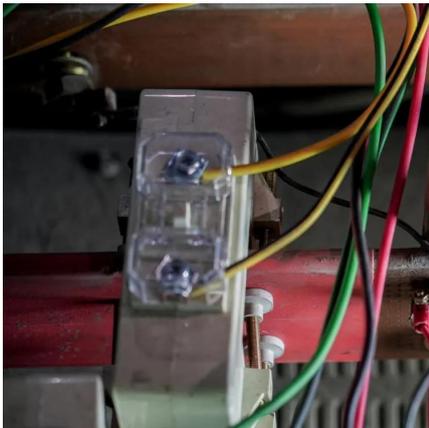## Best PC Power Supplies in 2025 (Top Picks for ...

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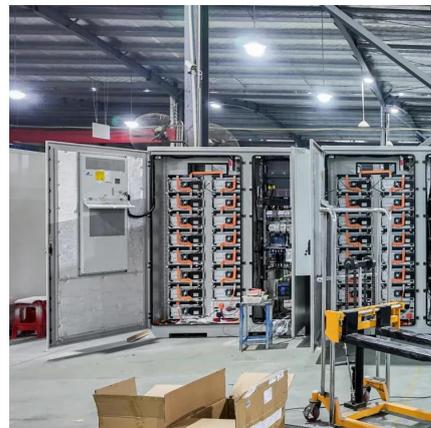
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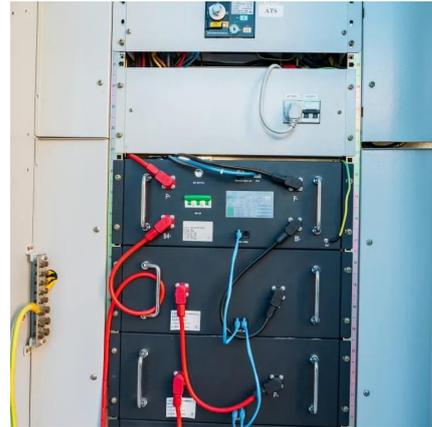
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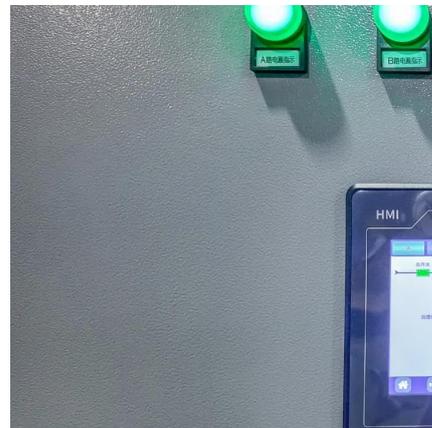

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