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Title: UPS uninterruptible power supply without inverter

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What is an uninterruptible power supply (UPS)?

A UPS, or uninterruptible power supply, is a device that provides emergency power to connected devices when the main power source fails. Unlike inverters, UPS systems are designed to bridge the gap between a power outage and the activation of a backup power source, such as a generator or an inverter.

Should I use an inverter or a UPS?

Choosing between an inverter and a UPS depends on your specific power backup needs. If you require continuous power supply during outages and have relatively lower power requirements, an inverter can be a cost-effective solution.

What is a UPS inverter & how does it work?

In this basic UPS system, the inverter is used as the device to convert the DC to AC since the power from battery uses DC current but it has to be distributed in the form of AC. More information about UPS is available in [What Is Uninterruptible Power Supply or UPS](#).

Can an inverter be used as a backup power supply?

Though the inverter can be also used as backup power supplies when combined with an energy storage system, it can not realize the seamless transition as a UPS does. While due to the more complicated circuit and considering the additional components and functions, a UPS is generally more expensive than an inverter.

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