

# How big can an uninterruptible power supply be





## Overview

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How do I determine the appropriate uninterruptible power supply (UPS) size?

Calculate the appropriate uninterruptible power supply (UPS) size by entering your equipment power requirements and backup needs below. This calculator helps determine the correct UPS capacity in VA (Volt-Amps) and required battery runtime based on your connected load and desired backup duration.

Is your uninterruptible power supply oversized?

Not all equipment needs to be supported, so reviewing all your equipment and breaking it down into a list of either critical load or non-critical load can help make sure your final uninterruptible power supply size requirement is not drastically oversized.

What is an uninterruptible power supply?

An uninterruptible power supply, or battery backup, can help protect your computer. It can provide backup power when the electricity goes out, act as a power "conditioners" to keep electricity flowing to your computer and accessories free from drops or surges, and decrease noisy power sources.

What makes a good ups size?

A correctly sized UPS provides adequate runtime, prevents overload conditions, and extends the life of both your UPS and connected equipment. Several critical factors determine the appropriate UPS size for your needs: UPS capacity is measured in Volt-Amps (VA) and Watts (W): Different UPS technologies suit different needs:



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### UPS Size Calculator

UPS Size Calculator: Find the Right VA Rating & Runtime Calculate the appropriate uninterruptible power supply (UPS) size by entering your equipment power requirements and ...

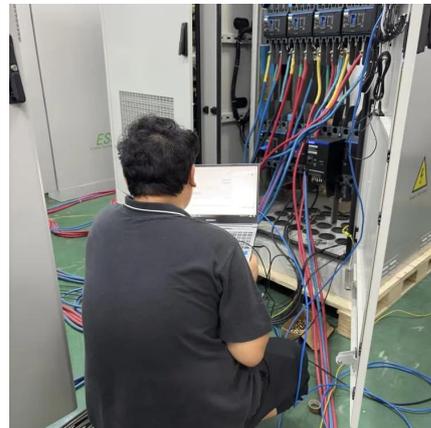


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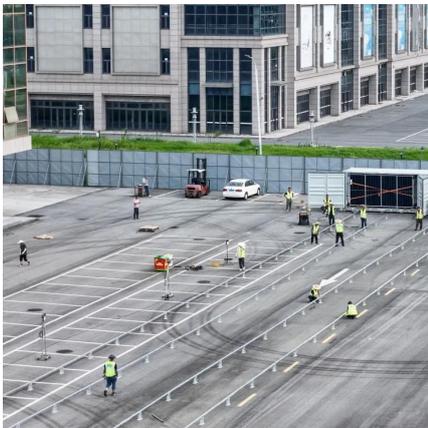
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How Big Should My Uninterruptible Power Supply be? How Do I Know My Ups Capacity? How Long Will A 300W Ups Last? How Do You Calculate How Long A Ups Will Last? The three significant factors to consider when setting up a UPS are the intended load (i.e., the combined voltage and amperage of all connected electronics), the capacity (i.e., maximum power output), and the runtime (i.e., how long it can supply battery power for). A UPS is most efficient when the capacity closely matches the overall load without See more on lifewire MediProducts



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The Uninterruptible Power Supply Size determines how much power the UPS can deliver and for how long. It's measured in terms of both power capacity (usually in volt-amperes, VA, or watts, ...





### [Eaton UPS fundamentals handbook](#)

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### **UPS Sizing Guide**

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