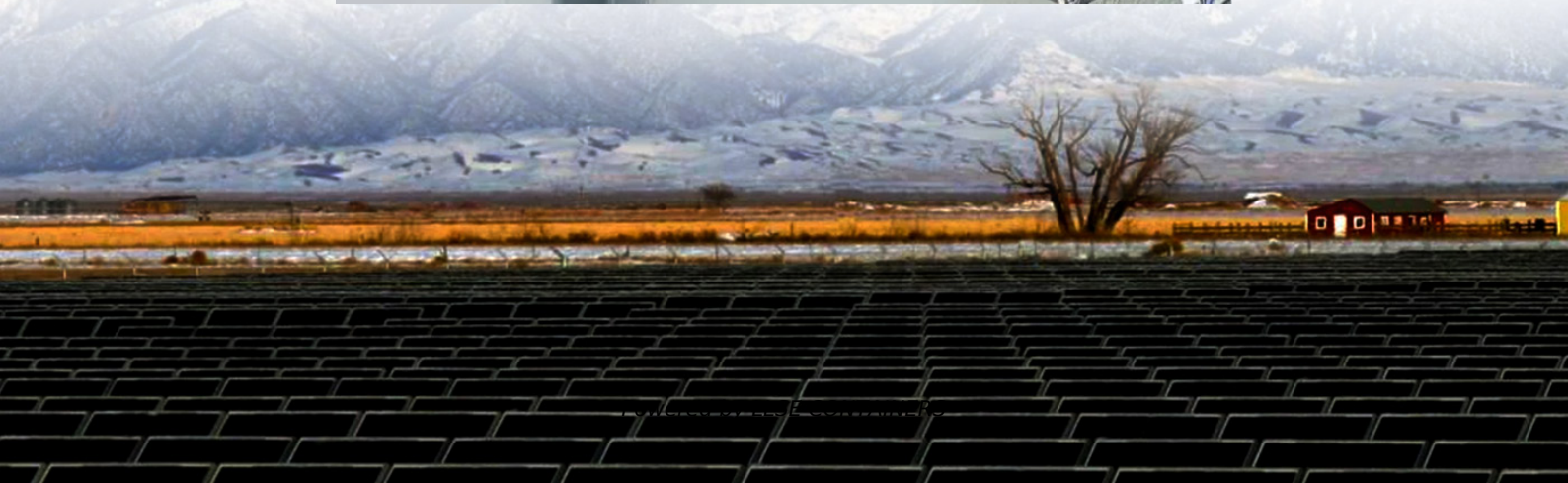


UPS uninterruptible power supply battery full charge voltage





Overview

What is a uninterruptible power supply (UPS)?

A UPS, or a uninterruptible power supply, is a device used to backup a power supply to prevent devices and systems from power supply problems, such as a power failure or lightning strikes.

What makes a UPS uninterruptible?

Of the three main subsystems, the battery is what makes the system “uninterruptible”. Depending upon the system design, the battery can constitute as much as 50% of the cost of the UPS. Without a reliable battery, the operation of the entire data center can be put at risk.

What happens if a ups fails?

During normal operation, the input power supply bypasses the UPS and is output as-is. During backup operation when a power failure or an instantaneous voltage drop has occurred, the UPS changes to inverter operation with power supplied from its internal battery.

How much load does an ups need to charge a battery?

The UPS should have a minimum of 10 percent load to charge its batteries. Once connected to a standard supply of electricity (via input plug or hardwiring), your UPS should charge its batteries regardless of how much load, is attached to it. How can you be sure UPS batteries are in good



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