Power Supplies

Chapter 7

Episode: **Power Protection**

Objective(s): Core 2: 4.5 Summarize environmental impacts and local environmental controls.

Episode Description

Electrical power from our grid is imperfect. Sometimes it provides too little or too much power. We use tools such as surge suppressors and uninterruptible power supplies to protect our PCs.

Key Terms

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- 1:04 - Spikes and sags
- 1:11 - Objective term - Power surges, undervoltage events, and power failures
- 2:53 - Spike and surge = same
- 2:55 - Sag and brownout = same
- 3:17 - Objective term - Surge suppressor/protector
- 4:42 - Ethernet cabling, landline, and USB

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Key Terms

- 6:06 - Uninterruptible Power Supply (UPS)
- 6:37 - UPSes provide backup battery power
- 8:17 - When the power fails, UPSes can keep your system running long enough to power them down

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Quick Review

- Electricity from the source is imperfect
- Use a surge protector/suppressor to protect against spikes
- Use a UPS to protect against spikes as well as brownouts and blackouts