

# Power in Education



Your data center is one of the largest power consumers on the grid, its critical items requiring an uninterrupted supply of power. Redundancy and backups ensure your facilities equipment remains running and maintains maximum up-time even if power surges, brownouts or blackouts occur. As well as protecting the hardware in your campus' data center, an integrated power solution also sustains security systems and preserves the integrity of data transmissions. By partnering with Accu-Tech and Eaton, you will have the resources to outfit your facility with the technology needed to assure your system, data and equipment will be safeguarded in the case of power failures.

## Reliable Power Protection for Education Industry

Reliable power protection and management play a vital part in your ability to deliver safe, quality education to your students. Eaton UPS solutions protect your IT systems, diagnostic imaging equipment, clinical labs, and facilities and monitoring support systems against a full range of problems from spikes and sags to full power interruptions. Eaton offers:

- Largest selection of highly reliable Uninterruptible Power Supplies
- A trusted and tested UPS solution for major equipment suppliers
- Award-winning power management software to proactively monitor and manage crucial systems
- World-class service offerings deliver the peace of mind that your systems are protected around the clock

## Power Failure Prevention

Eaton's power distribution units, or PDUs, provide multiple outputs to distribute electrical power across the system. Without an even distribution, inconsistent power can cause equipment to falter or even fail. Eaton's metered PDUs enable circuit protection by providing active monitoring of the system, allowing you to further protect your equipment and your data. Just as dangerous as brownouts and blackouts, voltage spikes are capable of wiping out sensitive equipment. Ensure that your students' records and financial data are protected with Accu-Tech's line of surge suppressors, surge modules and grounding devices.



## Redundancy & Backup Power

To preserve your system's integrity, having battery backups and redundant circuitry is a must. If circuits pop due to power surges, an uninterruptible power supply, or UPS, allows secondary circuits and systems to provide power to critical components of your data center. The UPS is typically used to protect against situations where an unexpected interruption in power supply could cause costly downtime and loss of critical data. By having network monitors installed, small in-room UPS systems and facility wide backups will be able to keep your systems up and running.

Partnering with Accu-Tech and Eaton provides you with the peace of mind that the systems installed in your school will be high-performance and reliable. We at Accu-Tech pride ourselves on our total solution approach to education, including the data center. For over thirty years, we have provided integrated and scalable data center solutions from small closet sized applications to entire campus environments. Accu-Tech provides the training and continued education necessary to ensure your staff gets the most out of your solution while staying current with ever evolving technology.



### Common Power Problems:

- Voltage spikes
- Sustained overvoltage
- Momentary or long term reduced voltage
- Noise in the line from nearby equipment
- Instability of powerline frequency
- Harmonic distortion of audio transmission
- Preserve access control security systems
- Network backup power supply

