

# Safeguarding Education: Why Backup Power and Network Management Are Critical for K-12 and Higher Ed

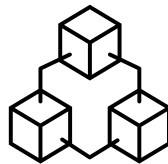
# INTRODUCTION

**Education today runs on technology.** From digital classrooms and cloud-based learning platforms, to security systems and administrative networks, *uninterrupted power and network integrity are essential.* Too many schools and universities overlook the risks of power disruptions, network downtime, and equipment failures until it's too late.

This white paper outlines why educational institutions must treat power protection and network management as core infrastructure needs, not optional extras. It highlights the importance of deploying reliable, scalable solutions tailored for the unique demands of K-12 and higher education environments.

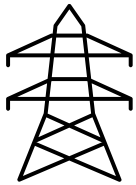
# The New Normal: Technology-Driven Learning

Classrooms today depend on Wi-Fi networks, interactive displays, and one-to-one device programs, where every student uses a laptop or tablet. Online testing tools, learning management systems (LMS), and video conferencing platforms are integral to both daily lessons and remote learning. Meanwhile, the same school networks manage critical infrastructure like heating and cooling systems (HVAC), security access, and building automation.



**Power interruptions or server failures don't just cause an inconvenience—they halt learning, compromise student data, and damage public trust.**

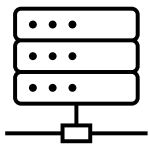
# THREATS TO CONTINUITY IN EDUCATION



**1. Power Outages:** Storms, aging infrastructure, and overloaded grids can take schools offline for minutes or hours—sometimes days.



**2. Network Failures:** Without proper network monitoring, outages can go unnoticed until critical systems fail. Downtime impacts everything from testing to emergency notifications.



**3. Equipment Damage:** Surges and brownouts can fry hardware. Replacing servers, routers, and classroom tech strains already tight education budgets.



**4. Security Gaps:** When power fails, so can access control systems, cameras, and alarms, leaving schools vulnerable.

# The Case for Backup Power and Network Management

Educational leaders need a reliable infrastructure that supports continuity, safety, and compliance. Backup power and proactive monitoring are key components.



- **Business Continuity:** Maintain instruction and operations during outages.
- **Student Safety:** Ensure that communications and security systems stay online.
- **Data Integrity:** Prevent data loss and system corruption.
- **Cost Control:** Avoid expensive hardware replacements and emergency repairs.

## Real-World Applications

- **K-12 District:** A Midwestern district uses Minuteman UPS systems to protect classroom smart boards and wireless access points, ensuring digital testing can continue during minor power disturbances.
- **University Campus:** A public university leverages RPM units across its data centers to reduce downtime and allow IT staff to respond instantly to network issues across satellite campuses.

# Minuteman Power Technologies: Built for Education

Minuteman Power Technologies delivers uninterruptible power supplies (UPS), surge protection, and remote power management tools designed with the education sector in mind.

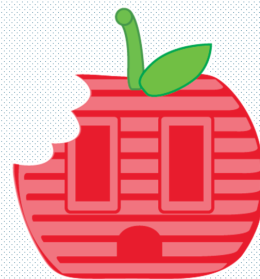
## Key Solutions:

- **UPS Systems:** Battery backup for everything from classroom devices to network closets and data centers.
- **Remote Power Managers (RPMs):** Enable administrators to reboot or control devices off-site, reducing on-site tech support demands.
- **Surge Protectors:** Defend against voltage spikes that damage equipment.
- **Scalable Designs:** Fit small schools, large campuses, and district-wide deployments.

## Why Minuteman?

- **Education-focused solutions** with tailored support
- **Budget-conscious options** for schools of all sizes
- **Discounts** for education projects starting at 3% & registered projects starting at 13%
- **Proven track record** in K-12 and higher ed environments

**BACK TO SCHOOL**  
WITH MINUTEMAN MEANS BEING PREPARED, PROTECTED, & POWERED.





# CONCLUSION

Educational institutions can no longer afford to treat power protection and network management as afterthoughts. These systems are essential to delivering modern learning experiences, maintaining safety, and protecting investments in technology.

Minuteman Power Techn provides trusted, flexible, & affordable solutions that keep schools powered, connected, & secure — no matter what.

Learn more at [www.minutemanups.com](http://www.minutemanups.com)

For tailoring your power protection solution, visit [www.sizemyups.com](http://www.sizemyups.com).

## Frequently Bought UPS Solutions:

### EXR Series



### Encompass RTX Series (TAA Compliant)

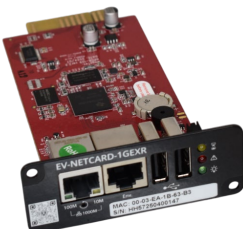


### Endurance Lithium-Iron Series



## Accessories to consider

### Envision SNMP card



### RPM (Remote Power Management PDU) (TAA Compliant)



### MMS-POD4U4 Surge

