



Tripp Lite Protects Texas Region 5 Education Service Center



SUMMARY

Customer

The Texas Region 5 Education Service Center provides more than 70 programs and services to school districts in six counties, comprising approximately 87,000 students and more than 6,100 educators.

Goal

- Protect core network equipment
- Provide battery backup during power failures until the generator system has time to start up

Solution

SmartOnline™ E3 Modular 3-Phase UPS System Model SU40K

Results

- Successful installation
- UPS protection for mission-critical equipment
- No interruption of services

Customer

The mission of the Texas Region 5 Education Service Center (Region 5 ESC) is to assist schools in six counties in improving student performance while promoting greater efficiency and effectiveness. Region 5 ESC provides more than 70 programs and services, including school management software for business systems (accounts receivable, asset management, budget and finance, payroll, personnel records and requisitions) and student systems (attendance and discipline records, parents' Web portal, student course requests, grade reporting, health services, registration, scheduling, special education and test scores). Region 5 ESC also connects school districts to the Southeast Texas Telecommunications Education Network, which provides high-speed Internet and distance learning services (for dual-credit courses, graduate courses, staff development and community training) via T1 or GigaMAN® network lines. Region 5 ESC serves approximately 87,000 students and more than 6,100 educators, relying on 45 Dell® servers, 41 Cisco® router switches, five video multipoint control unit (MCU) bridges, AT&T® network equipment and several remote network closets.

Goal

Located near the hurricane-threatened Texas Gulf Coast, Region 5 ESC is at high risk for weather-related power problems. Network Operations Director Kyle Fisher set out to protect Region 5 ESC's \$1 million of equipment and to ensure its ability to provide a reliable network.

Fisher noted that Region 5 ESC could not afford the risks inherent in leaving critical systems vulnerable to power problems. "The first risk is loss of service to our customers when their networks are up and running," he said. "Second is the downtime involved as we would have to select, procure and install new network equipment. Even though our equipment is under warranty, replacement downtime would cause students to miss valuable learning time."

Fisher chose to install a generator on the core network. He then sought out Tripp Lite "for their reliability, great customer support and on-site power analyses." Working with Tripp Lite District Sales Manager Charlie Neel, Fisher outlined his requirements for a high-capacity on-line UPS system capable of providing safe, reliable power to the network at all times, including battery backup during the crucial period between a power failure and generator system start-up.



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SU40K SmartOnline E3 Modular 3-Phase UPS System

- *Ideal Output Power Protects Critical Systems*
True on-line, double conversion operation delivers precision-regulated, pure sine wave output, isolating critical systems from power problems. Zero transfer time to battery ensures that critical loads will not be dropped during power failures.
- *Modular Architecture Eliminates Downtime*
Internal N+1 power module redundancy and fault-tolerant bypass features keep critical systems productive around the clock.
- *1:1 Generator Sizing Lowers Installation Costs*
Advanced IGBT rectifier produces best-in-class 3% THDi (input Total Harmonic Distortion), eliminating costly over-sizing requirements for generators.
- *Extreme Efficiency Lowers Operating Costs*
Efficiency up to 96% significantly lowers power and cooling costs compared to multiple smaller units or legacy high-capacity units.

Results

Region 5 ESC's investment in Tripp Lite has paid off in immediate and long-term ways. Kyle Fisher reported that installation and testing of the new SU40K UPS System went extremely smoothly. "There is always that next hurricane creeping around the corner," he said. "And I know we'll be ready."

Fisher plans to rely on Tripp Lite as Region 5 ESC's power protection needs expand. "Tripp Lite is very professional. Our sales rep is always there to answer any questions and help in every way, and I am very satisfied with Tripp Lite's service."