



Paramount Unified School District Gets Customized Power Protection and True Partnership with Tripp Lite



SUMMARY

Customer

Paramount Unified School District comprises 24 schools, serves approximately 16,000 students and employs 1,500 full-time staff and faculty.

Goal

Protect Cisco VoIP network infrastructure from power-related downtime

Solution

SmartOnline™ Expandable Rack/TowerUPS System

- SU3000RT3UHV1TF
- SU1500RTXL2Ua

Web Management Accessory Card

- SNMPWEBCARD

Results

- Customized creation of site-specific mounting brackets UPSHDEARKIT
- Customized creation of UPS model SU3000RT3UHV1TF
- UPS protection for VoIP network, servers and computers
- No power-related interruption of services



“We feel like we are not just another customer, but a partner.”

Troy Marshall
Director of Technology
Paramount Unified School District

Customer

Located about 15 miles southwest of downtown Los Angeles, Paramount Unified School District (Paramount USD) comprises 24 schools, serves approximately 16,000 students and employs 1,500 full-time staff and faculty.

Goal

When Paramount USD began experiencing brownouts due to power outages, Director of Technology Troy Marshall met with Tripp Lite District Sales Manager Nancy McEvelly and outlined the district’s needs: power protection and backup for a Cisco network of 1,500 VoIP phones, for 5,000 desktop and notebook computers and multiple HP servers. “UPS systems prevent most of the district’s power issues,” he noted, “and that saves numerous calls to the Help Desk and conserves support staff time. Further, they allow classrooms to hear emergency announcements for at least 20 minutes in the event of power failure.”

For years, Paramount USD used APC products for power protection. “Although we considered staying with APC, Tripp Lite came highly recommended to us by other districts,” said Marshall. “In the 13 years I have been with the district, I have never seen an APC representative.”

On initial review, Marshall found Tripp Lite’s product offerings appealing. “Since many of our locations are short on rack space,” he said, “it was extremely helpful to us that many Tripp Lite form factors are smaller than the competition’s. Replacement batteries are widely available in vendor channels, and our UPS maintenance contractor and staff are familiar with and support Tripp Lite.”

Early consultations increased Marshall’s interest in working with Tripp Lite, but progress hit a snag when it became clear that Paramount USD’s equipment cabinets didn’t fit with Tripp Lite’s equipment mounting brackets. Not to be deterred, McEvelly and her team custom-designed a set of mounting brackets—the UPSHDEARKIT—to fit the district’s specifications.

Paramount USD’s electrical specifications provided another challenge for the Tripp Lite team: in order to match the UPS systems which the district had previously used, and to help them avoid the costs and delays of electrical work, Tripp Lite custom-designed a UPS for the district. The SU3000RT3UHV1TF is a 3000VA system with 208V input and 120V output, and it met Paramount USD’s needs exactly.



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continued

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MDF Solution:

SU3000RT3UHV1TF SmartOnline™ Expandable Rack/Tower UPS System



- 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.
- Fault-tolerant automatic bypass circuit keeps critical systems productive around the clock.

IDF Solution:

SU1500RTXL2Ua SmartOnline™ Expandable Rack/Tower UPS System



- Features true on-line operation with pure sine wave output and zero transfer time to isolate connected equipment from all power problems
- Provides battery backup power to ensure continued operation of vital systems, enable data saves and facilitate orderly system shutdown
- Enables comprehensive power network management and control with communication ports, SNMP slot and included PowerAlert software

SNMPWEBCARD Web Management Accessory Card



- Enables the UPS to be remotely controlled as a managed device on the network
- Provides remote viewing of site electrical data, UPS self-test and alert logs, electrical problems and more
- Permits remote reboots of locked devices without interrupting power to other loads

Results

With installation completed according to schedule, Paramount USD's Main and Intermediate Distribution Facilities are now fully protected by approximately 150 Tripp Lite UPS Systems and Web Management Accessory Cards, and Troy Marshall estimates that that protection is sparing the district one brownout or more each week. "Tripp Lite earned our business," he said, "Nancy and her team were very persistent in putting together the solutions and processes needed to support Paramount USD's requirements. We feel like we are not just another customer, but a partner."

He reflected enthusiastically on working with Tripp Lite, "It has been our experience that Tripp Lite staff are extremely willing to listen to us as the customer. Whether we needed a custom cable, mounting bracket or even product design, Tripp Lite staff have been extremely helpful. I would highly recommend Tripp Lite to others!"



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Tripp Lite's PowerAlert Software, version 12.5, has tested compatible with Cisco CallManager, versions 4.0 and 4.1, Cisco 7600 Series Routers, 7500 Series Routers and Catalyst 65XX Layer 3 Switch. Tripp Lite PowerAlert Software, version 12, has tested compatible with Cisco CallManager, versions 3.3(4)-MCS and 4.0(2)-MCS.

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