

State Government Agency Protects Smart School Operation With Line-Interactive UPS Solution



A Vertiv Case Study

Background

In just the last few years, the government of India launched an initiative to elevate the value of government schools amidst a rise in private education. Part of this plan includes investing in resources that will ramp up technology and build safer and stronger infrastructure — creating smart schools. The premise is that by creating classrooms with interactive boards, information and communications technology (ICT) labs, and other multimedia resources, children will be more engaged students who foster critical thinking, collaboration, and peer learning. As part of these efforts, one agency was appointed as the approved source for all IT and related electronic items, including line-interactive uninterruptible power supply (UPS) units.

Challenge

To ensure enough backup power that would allow digital application users to save work in progress and gracefully initiate the shutdown of systems, the appointed agency needed a UPS solution with robust battery capacity. And because these UPS units were to be installed in locations filled with students, safety was a critical deciding factor. Therefore, having external batteries installed was not a ideal solution.

Solution

To meet end user expectations, the agency chose to deploy the [Vertiv™ Liebert ITON™ 1000 VA UPS](#) with a built-in battery having a 42 amp hour (Ah) rating, which is a higher capacity than most of the line-interactive UPS units in the market. These units also use automatic voltage regulator (AVR) technology which prolongs battery life, making it a reliable solution that is ideal for protecting desktop computers and standalone IT equipment. Plus, its simple controls offer safe and efficient interaction and easy operation.

Outcome

Ultimately, this UPS solution helped these smart schools ensure stable power for operational continuity while fulfilling the end users' need for safety. The plug-and-play units with easy-to-use controls enabled simple installation and startup while reducing costs. Not having external battery installation eliminated the expense of ancillary items like cables and racks.

Company Profile

In close collaboration with Haryana state government, this appointed agency makes the last-mile delivery of government services to the citizens a reality through a variety of digital solutions

Industry & Segments

- Information and Communications Technology (ICT)
- Smart Schools
- Small-Office Home-Office (SOHO)

Region

Haryana, India

"Helping to establish smart schools in Haryana is certainly a worthwhile undertaking that we are happy to support. And the Vertiv™ Liebert ITON™ UPS offers straightforward installation with safe operation that is ideal in these spaces."

— Gopakumar Ambujakshan,
Senior Director - Offering
Management Rack UPS, ASI, Product
Development/Engineering, Vertiv