

After working with another type of Uninterruptible Power System, Capwell and his team settled on the Powerware\* Plus 18kVA and 36kVA UPS as well as, the Powerware 9315 from Powerware Corporation (formerly Exide Electronics). "Early on, while working with an Uninterruptible Power System that did not incorporate on-line technology, we sustained significant damage to some very expensive equipment because of a power surge. It was then that we decided to move to the Powerware systems," said Capwell. "We've been very pleased with the results."

The Powerware UPS systems feature sophisticated on-line technology and are designed and built for mission-critical applications. The on-line technology completely isolates the load from spikes, surges and sags in the incoming power. These UPS systems are available with an LCD display that supports multiple languages and are available in models that accept various input voltages, making them suitable for applications worldwide.

In the Powerware 9315 models with nominal ratings of 50kVA and above, the high availability and serviceability of the system is the result of Powerware Hot Sync®, a parallel module architecture that enables each UPS module to synchronize and support the load independent of the other. Also contributing to the industry-leading reliability is a design with a low component count and only four printed circuit boards (PCBs). By using software instead of hardware for much of the functionality, and other innovative techniques, Powerware's engineering team easily surpassed other typical Uninterruptible Power Systems that can have 17 or more PCBs. With each additional PCB the chance of a failure increases. The Powerware 9315 also has redundant fans and control power supplies, further enhancing reliability.

The 50kVA and higher models also have a rich set of features for management, monitoring and control. Battery management is easy, with DC Expert providing battery time indication and automatic battery tests. Also, through Remote Notify, key personnel can be alerted to over 100 alarm conditions. This rapid warning provides critical time to take necessary action.

In addition to its system integration business, Globecomm Systems' subsidiary, NetSat Express, brings the power of the Internet to places where terrestrial communications infrastructure has not yet been developed, or is unable to support Internet communication at an adequate data rate. The company incorporates high-speed satellite Internet connections into customized Direct Access solutions for ISPs, businesses and organizations. Again, the ground based equipment and supporting infrastructure is protected by a Powerware 9315 UPS.

With Globecomm Systems' emphasis on quality and availability, and a keen understanding of the cost of downtime, it is no wonder that more and more organizations worldwide are turning to Globecomm Systems for custom designed satellite and wireless terrestrial networks to support voice, data and Internet applications.

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The Powerware Plus 18



The Powerware 9315

