

SWU Family Long Life UPS Batteries with *HT Element X Alloy™*

Reliability of communication and data networks has become critical as more and more people use wireless devices to access the internet, route their vehicles thru traffic congestion, find a restaurant, or just surf the ‘net.

As more equipment is being deployed in data centers the capital outlay for replacement batteries is one of the largest reoccurring costs, driving the need for longer life solutions. This network growth situation exacerbates the need for technological improvement in reliable and longer life batteries.

GS Yuasa Energy Solutions (GYES) answers the need for a long life, high temperature battery through our proprietary *HT Element X Alloy*. Research by the scientists at GS Yuasa Corporation in Japan found trace amounts of a common element, ‘Element X’, had a negative impact on key lead acid battery performance criteria. They also found this ‘Element X’ was in the alloys and pure lead solutions used by all battery manufacturers.

HT Element X Alloy –

The researchers at GS Yuasa found controlling the amount of ‘Element X’, down to the parts per billion level, had a major positive, impact on the performance of our batteries, increasing life by minimizing positive grid corrosion, reducing float current and dry-out and eliminating thermal runaway.

Using their research finding, GS Yuasa developed the proprietary *HT Element X Alloy*. Eliminating “Element X” results in longer life and a more consistent product.

The *HT Element X Alloy™* Advantage

	<i>HT Element X Alloy</i>	Pure Lead Alloy	Pure Lead
PPB Impurity Level Control			
Low Float Current			
Low Corrosion Rate			
No Thermal Runaway			
Low Water Loss			

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“GYES’ proprietary *HT Element X Alloy* has been proven to deliver best in class performance in the harshest environments and is a foundation of our SWU UPS battery family, said Akira Iwata, GYES’s Vice President of Product Management. “The SWU family is the same technology as the *Yuasa SWL* family which is recognized as having the highest quality and is the number one selling UPS battery in Europe. We have years of deployment demonstrating the longest service life performance. For the SWU family we have optimized some case sizes for drop-in replacement for the North American market and adopted a conventional UPS 15-minute rate Wpc naming scheme” said Iwata.

The improved performance provides the lowest cost of ownership due to longer battery life, longer replacement intervals and fewer outages. The reduction in downtime will improve customer satisfaction and customer retention due to poor network performance.

The SWU family has a standard four-year warranty in UPS applications with a buy-up option for a five-year warranty.

The SWU family is available in a full line of top terminal and front terminal models from 200-750 Wpc. GYES stocks product in our US warehouses for expeditious shipment.

Interested in being a partner? On our website, www.GSYuasa-ES.com, go to “Contact Us” and in the subject line type **“I Want To Be A Partner”**

