

The *HT Element X Alloy*™ Advantage

GSYuasa Energy Solutions PWL & PYL Family of Telecom Batteries

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 telecom networks, 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 batteries which resist, and even thrive, in high heat environments.

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.

	<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			

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 in high temperature applications 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 a longer life more consistent product.

GYES' proprietary *HT Element X Alloy* has been proven to deliver best in class performance in the harshest environments and in multiple studies in the southeastern US and the desert southwest.

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.

GYES stocks product in our US warehouses for expeditious shipment.

Contact your local representative, visit our website:
www.GSYuasa-ES.com, or call 1.800.472.2879.

