

Glass Manufacturer – Durant, OK

Background

Founded in 1962, Active Power's customer is a leading manufacturer of residential glass for windows and doors. They are the largest fabricator of sealed insulating glass units and supplies more than half the low-emissivity coatings used in North America. The company has more than 6,000 employees at 37 manufacturing locations throughout the United States.

Challenge

One of the company's manufacturing facility makes float glass by melting sand in a three-story oven and is located in the heart of Tornado Alley, where extreme weather frequently causes electrical disturbances. The company required a reliable critical backup power solution to protect their critical conveyors that handle and transport glass within the facility and to ensure the plant remains operational during utility outages.

Solution

The company chose to deploy a **900 kVA flywheel UPS** to protect its conveyor systems from inconsistent utility power. The UPS is ideal for the industrial setting because it can withstand higher ambient temperatures and has a smaller footprint than a conventional battery UPS. This enabled the customer to deploy the system right on the factory floor near the conveyors.

Result

The flywheel UPS is saving the end user money and valuable floor space due to the fact the system requires less cooling and delivers approximately twice the power in half the space of a battery UPS. Facility managers indicate plans to expand the plant and intends to again select flywheel UPS to provide backup power protection.

“With the flywheel UPS, we never have to worry about losing power or productivity, and in a factory setting, having that peace of mind is invaluable.”

- Mechanical Engineer

