



**Franklin Electric**  
GRID SOLUTIONS



 **CELLGUARD**

**ELECTROLYTE LEVEL  
MONITORING SYSTEM**



# VLA BATTERY MONITORING

The CELLGUARD™ ELS+ Electrolyte Level Monitoring System provides reliable electrolyte level monitoring on Vented Lead Acid (VLA) batteries of any voltage, size, or design in Utility, Telecommunications, Data Centers, and Industrial Battery Plant applications.



HUB

SENSORS



## MONITORING CAPABILITIES

During a low level electrolyte level condition the sensor communicates an alarm condition to the hub unit. The hub senses the alarm state and provides a dry contact alarm lead status.



## VISUAL ALARM

Both the sensors and hub units provide LED indication to visually identify VLA batteries that require servicing.



## EASY INSTALLATION

Modular quick connect cabling provides time-saving installation without the need for a site survey. Sensors are connected in series to adjacent sensors with modular cables to create a sensor string. The sensor string terminates into one common powering and alarming Hub module.



## NERC PRC-004 COMPLIANCE

Complies with NERC PRC-005 electrolyte level inspection requirements with 24/7 alarm reporting.



## COMMUNICATION

Can be integrated to commercially available data collection systems.



## THE SENSOR ALIGNMENT TOOL WITH A BUILT-IN LEVEL, ENSURES CORRECT SENSOR PLACEMENT FOR ACCURATE ELECTROLYTE LEVEL SENSING

Sensors are calibrated to the battery case characteristics and electrolyte level state in seconds with the press of a single button. Each sensor is easily adhered to the battery case using double sided tape specifically designed to be compatible with VLA battery cases, even in harsh operating environments.