# Albér™ ELS 2

Electrolyte Level Sensor



# **Benefits**

- Designed specifically to comply with the NERC PRC-005 requirements for electrolyte level inspection
- Eliminate the required quarterly inspection of battery electrolyte levels
- Infrared sensing technology for improved electrolyte level detection
- Cell temperature monitoring for notification of corrective action
- Seamless integration with the Albér™ UXIME Battery Monitor for a complete monitoring solution
- No alarm means no unnecessary remote site visits

The Albér™ ELS2 is a non-invasive level sensor, with incorporated temperature monitoring. Design to reduce battery maintenance time and improve service cost.

# **System Advantages and Features**

- Three form C contacts for alarm notification: Level alarm, temperature alarm and hardware alarm. Features also a RS-485 interface with Modbus protocol and a USB style B interface
- Alarms for low and critical low electrolyte levels, cell temperature, sensor attachment failure and hardware malfunction
- Status indicators on each cell for easy alarm identification
- Automatic or manual reset for any alarm
- Designed to work on nonopaque VLA battery cases
- Automatic calibration, remote alarm reset and quick firmware upgrades
- Easily integrates into Albér™
  Battery Monitors or building
  management systems
- Engineered for quick installation and easy system setup









# **System specifications**

## Albér™ ELSi - Interface Module

#### **LEDs**

- Red LED System Alarm
- Green LED Status/Power

#### **Alarms**

- 3 Form C relay contact (2A at 30VDC)
- Alarm reset button

## **Input Power**

- 12VDC, 0.75A Max
- AC-DC Adapter (standalone option)
  - Input 85 264VAC,
     47 to 63Hz
  - Output 12V DC, 18W max

## **Communications**

- RS-485 Output
- USB (Service port)
- RJ11 to ELS2 Sensors

#### **Dimensions**

- ABS Plastic Housing
- 4.25"W x 1.45"H x 3.00"D
   (5.25"W w/ flange)
- Mounting: Two 0.18" holes

## Albér™ ELS - Sensor Module

#### **LEDs**

- Red Low Level Alarm
- Green Status / Power

## **Input Power**

 12VDC, 300mA via RJ11 from the Interface Module

#### **Communications**

RJ11 to ELSi2 Interface Module

#### **Dimensions**

- ABS Plastic Housing
- 1.80" W x 1.59" H x 0.5" D

## Safety Approvals

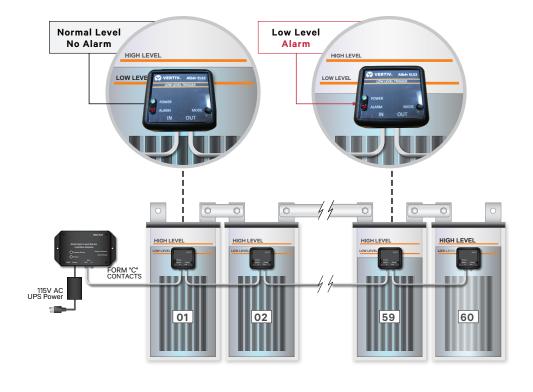
- UL61010-1
- EN61010-1
- IEC61010-1

## **EMC Approvals**

- EN61326-1
- FCC part 15 class A

## **Operating Environment**

- Temperature range: 0°C to 40°C (32°F to 104°F)
- Humidity range: 0% to 80% RH (non-condensing) at 10°C to 31°C 0% to 50% RH (non-condensing) at 32°C to 50°C
- For indoor use only



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