

# Around the Clock Protection from Battery Thermal Runaway

## IntelliBatt's Solution predicts, pre-empts and furthers compliance with new ICC regulations

Widespread adoption of new international fire code regulations\* to combat thermal runaway means that all VRLA battery systems must be equipped with a device to detect and preclude it.

Battery thermal runaway is a continuous cycle of ever-increasing internal heat, ultimately resulting in serious incidence of battery meltdown or fire. Avoid significant downtime and or potential loss of life by protecting your systems.

While some devices only measure ambient or string temperature and current, IntelliBatt's unique monitoring system measures:

- Ambient and individual battery/cell-level temperature
- Current
- Battery/cell level impedence

### Battery Thermal Runaway Solutions from IntelliBatt

IntelliBatt's affordable solutions present two options:

- Start with a low-cost, basic system to help ensure code compliance
- Upgrade at any time to a comprehensive, advanced battery monitoring solution

### Basic IntelliBatt System features include:

- Monitor string current levels as well as several pilot cell temperatures
- Collect data daily to allow for constant visibility and notification
- Our expert data analysis is fully in line with IEEE and other standards
- Confirm normal status or expose data trends through weekly reports provided by IntelliBatt's battery experts

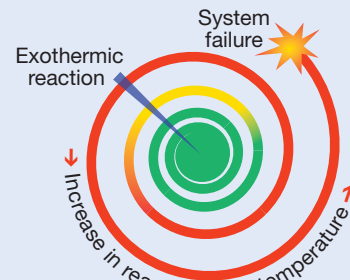
### Advanced IntelliBatt System features include the Basic System plus:

- Monitor string current levels and each individual battery/cell temperature
- Secure readings on individual battery/cell impedence and voltage
- Collect data daily to allow for constant visibility and notification
- IntelliBatt's battery experts closely analyze your systems and predict trending batteries long before they reach thermal runaway status
- Extend the life of your battery strings with the ultimate in battery visibility and asset management

**Don't wait to install the IntelliBatt Solution to predict and pre-empt battery thermal runaway. Call IntelliBatt at 1-415-839-7270 or email [sales@intellibatt.com](mailto:sales@intellibatt.com) today to inquire about our comprehensive, monitoring and reporting solutions.**

### What is Battery Thermal Runaway?

Thermal runaway occurs when an exothermic reaction goes out of control, possibly resulting in an explosion. Thermal runaway occurs when the reaction rate increases due to an increase in temperature, causing a further increase in temperature and hence a further increase in the reaction rate.



### Links to Associations:

\*International Code Council: [www.iccsafe.org/](http://www.iccsafe.org/)

National Association of State Fire Marshals: [www.firemarshals.org/](http://www.firemarshals.org/)

### IntelliBatt

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