



Thierry LEQUEU &lt;thierry.lequeu@gmail.com&gt;

---

## How To Prevent Battery Fires - FREE DOWNLOAD

---

HEL Group <marketing@news.helgroup.com>  
Reply-To: HEL Group <marketing@news.helgroup.com>  
To: thierry.lequeu@gmail.com

28 June 2016 at 16:51

Download Our FREE Application Note  
Trouble seeing something? [view it online](#) / [SEND TO A FRIEND](#) /



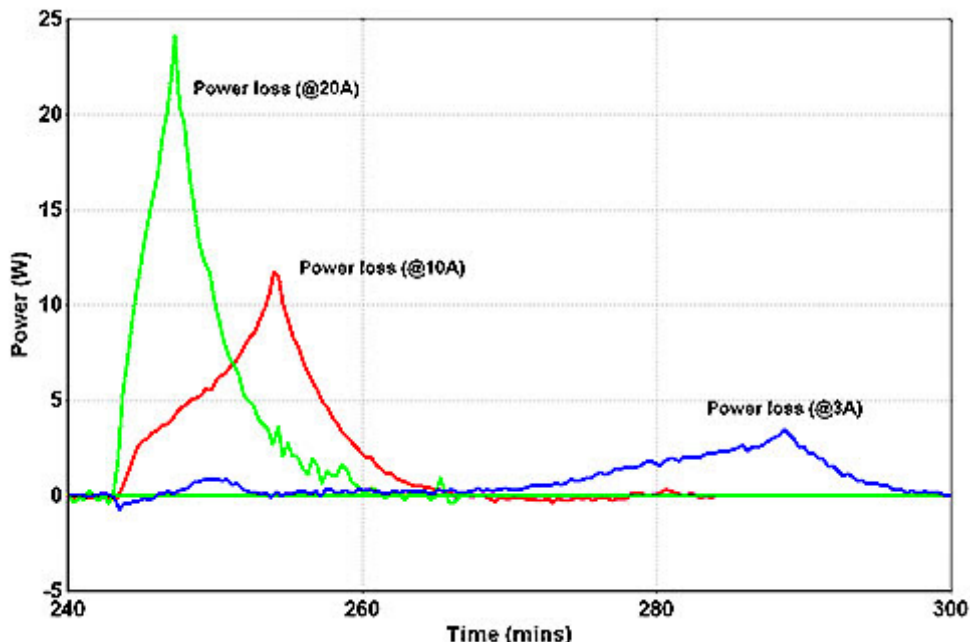
**DOWNLOAD OUR FREE APPLICATION NOTE HIGHLIGHTING KPI'S FOR THERMAL CONTROL DATA BASEDON ISOTHERMAL CALORIMETRY**

**General Motors (GM)** recently purchased an iso-BTC after extensive trials with their batteries samples, even though they have adiabatic calorimeters available to them. Here's why.

Fires and explosions involving Li-ion batteries occur when heat is not removed effectively and leads to a rise in temperature. Thermal management systems are designed to prevent such incidents but can only do so if they are designed to handle the necessary heat load – which raises the question: how can this load be determined?

The answer is HEL's iso-BTC, which works exactly like a thermal management system except it reports how much heat is being removed while connected to real battery samples. Many companies fail to appreciate the difference in data from an isothermal calorimeter and the more commonly used adiabatic type (such as HEL's BTC-500 based on the "ARC" principle).

Typical results are plotted below where the heat load (power loss) is shown at three different discharge rates, for the same battery at the same (constant) temperature. The test can be repeated at different temperatures (for example between -40 to + 100C) to determine the effect of weather conditions



We have prepared a FREE application note, which highlights key performance indicators of thermal control data based on isothermal calorimetry, which can be [found here](#) or copy and paste the link below in your browser <http://helgroup.com/marketing/isothermal>



better chemistry – faster You are currently signed up to our HEL Groups newsletters because  
a) You're a customer of HEL or  
b) You subscribed via our website

To **QUIT** our mailing list [Click Here](#)  
Copyright © 2015-2016 HEL Limited.

HEL Ltd, 9-10 Capital Business Park, Manor Way, Borehamwood, Herts, WD6 1GW  
[www.helgroup.com](http://www.helgroup.com) | [www.hazards.co](http://www.hazards.co)  
e: [marketing@helgroup.com](mailto:marketing@helgroup.com)

--

[Click this link to unsubscribe](#)

{~C930558853483618622133926412914~}