


Guidelines on Lithium-Ion Battery Use in Space Applications PDF



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Guidelines on Lithium-Ion Battery Use in Space Applications by Barbara McKissock ISBN 1289118175

This guideline discusses a standard approach for defining, determining, and addressing safety, handling, and qualification standards for lithium-ion (Li-Ion) batteries to help the implementation of the technology in aerospace applications. Information from a variety of other sources relating to Li-ion batteries and their aerospace uses has been collected and included in this document. The sources used are listed in the reference section at the end of this document. The Li-Ion chemistry is highly energetic due to its inherent high specific energy and its flammable electrolyte. Due to the extreme importance of appropriate design, test, and hazard control of Li-ion batteries, it is recommended that all Government and industry users and vendors of this technology for space applications, especially involving humans, use this document for appropriate guidance prior to

implementing the technology.

Guidelines on Lithium-Ion Battery Use in Space Applications Review

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