



Thomas & Betts

ANALYSIS OF NEC ®

2017 Code Changes: Article Article 712 (NEW) Direct Current
Microgrids
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712.1 Scope. This Article applies to direct circuit microgrids.

Analysis of the Change

This is a new article to cover DC microgrids which is a power distribution system including more than one interconnected DC power sources.

DC microgrids have become popular for use in data centers due to the large number of DC equipment located there. The system is more energy efficient as there are no losses associated with AC to DC conversion. Although the scope of the NEC does not include aircraft, the picture below is the Solar Impulse 2, a flying DC microgrid that completed an around the world route consuming no external energy.

Products

Blackburn power and grounding connectors.



Contact Us

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Disclaimer: This is not intended to be an iteration of all the changes, but a reference of a change that may affect the Thomas & Betts, ABB & Baldor product lines. For a more in-depth document, please contact the International Association of Electrical Inspectors at www.iaei.org.

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