Portable Lithium Battery Storage Container Project Specs

1. Compliant with UFC 3-520-05

1. Comply with NFPA 70, National Electrical Code (NEC), NFPA 1, Fire Code, NFPA 704, Standard System for the Identification of the Hazards of Materials for Emergency Response, and NAVSEA S9310-AQ-SAF-010 for battery room design requirements.

* 1. Note that battery storage will not be inside a building, so the NFPA requirements may not apply.
  2. Transportable on a public highway.

1. Battery Storage must be operational 24/7, 365 days a year. All maintenance and testing must be completed by a qualified vendor.

1. All maintenance should be in accordance with UFC 3-520-05, NFPA 70, NEC, and IEEE. The following maintenance is to be included but not limited to:

* 1. Duct cleaning and inspection
  2. Mechanical system inspection and repair as necessary
  3. Fire system inspection and repair as necessary
  4. Lighting system inspection and repair v1.1 6 as necessary

1. Routinely functionally test all operating systems in the room or as required by the manufacturer. At a minimum, the following must be tested:

* 1. All alarms including, emergency exhaust button, fire alarm pull stations, emergency power shut off, and VOC sense signal
  2. Mechanical systems including, exhaust, air conditioner, etc.
  3. Fire systems including, fire dampers, pull stations, and switches
  4. Battery charging stations

1. Roughly 200 SF of interior space is required - a 20’ CONEX will meet this requirement.