

LI-ION BATTERY CHARGING & STORAGE SYSTEM



THE SYSTEM



The QEC Lithium-Ion Battery Charging & Storage System is engineered to safely accommodate and store various types, sizes, and shapes of Lithium-Ion aircraft batteries. Certified to contain battery fires and protect adjacent batteries, it sets the standard for safety and reliability

PERFORMANCE HIGHLIGHTS

- Qualified with impressive results at 80 kW and 175 kW, handling 220% above the average heat flux generated under extreme conditions.
- During testing, temperatures in adjacent compartments only reached 19.5°C (67°F), well below the maximum allowable of 115°C (239°F).
- The cabinet remained cool to the touch, and the system functioned flawlessly post-test.



THE MATERIALS



COMFIRE®: Superior Fireproof Material

- Non-combustible
- No smoke or toxicity
- Non-carcinogenic
- Dimensionally stable (resistant to water)
- Excellent acoustic attenuation
- Outstanding insulation properties



ACCOLADES AND MILESTONES

- Developed the first fully compliant Watertight A60 fire door system
- Secured contracts for major door systems on UK CVF Carriers
- Achieved US Naval Certification for Watertight N30 door systems
- Attained qualification for 3-hour Nuclear Fire Door for JAPC (Japan)
- Certified for Aviation Li-Ion Battery Charging & Storage for UK QEC Carriers