

Lithium Ion Battery Thermal Runaway Propagation Mitigation with Carbon Fiber Thermal Runaway Shield (TRS)

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In partnership with NASA JSC, KULR Technology Group has developed a compact and efficient bag storage solution to keep laptop batteries from thermal runaway propagation (TRP) on the International Space Station. This solution contains the flame and projectiles of the thermal runaway battery within the bag, while keeping the neighbor bag battery below 50C. Its high performance allows NASA to compactly pack batteries in its storage space. KULR has developed mass market products based on this technology to protect lithium ion battery power consumer products such as smartphones, laptops, vape, battery power banks from TRP on commercial airline travels. KULR will demonstrate its technology and its applications for battery transportation and designs.