

If your Priority is Safety & Cost Saving in Power Backup !!!



→ **Lithium-Ion Batteries**



→ **SUPER CAPACITORS**



COMPARISON

Situations	Super Capacitor	Lithium-Ion Battery
Fire Hazard / Inflammable	No	Yes
Chemical Process	No	Yes
Bio Hazard	No	Yes
Bio Degradable	80%	No
Recyclable	100% in country	50%–95% only in limited plants
Operating Temperature	+75°C	45°C
Subzero Temperature	-30°C	Cannot operate
Ventilation Required	No	Yes
Air-conditioning	Not Required	Required
Equipment Life	15+ years	Max 5 years
Life Charge Cycles	500,000	3,000–6,000
Charge/Discharge Rate	Extremely Fast	Moderate
Efficiency	Higher RTE (99.1%)	90–93% & drops after 6,000 cycles
Depth of Discharge	100%	Max 85%
Response Time	Zero Downtime	Milliseconds to seconds
Flight Risk	No	Yes