

Standard lithium-ion /
polymer battery packs

Why choose an Avnet Abacus standard battery pack?

- **Standard product** > very fast time-to-market
- **Availability** > short lead times, low MOQs
- **Approvals** > all packs meet minimum approvals required for shipping lithium-ion and polymer product

LITHIUM-ION / POLYMER BATTERY CERTIFICATIONS

UN regulations (UN38.3)

All lithium batteries are required to pass section 38.3 testing of the UN Manual of Tests and Criteria (UN Transportation Test). This regulation applies worldwide for transportation of dangerous goods. Standards for road- (ADR), air- (IATA) and sea freight (IMDG) refer to this UN3480 regulation.

UN38.3 approval is required to ship production quantities of lithium batteries.

IEC62133 / CB Scheme

IEC 62133 is the most important safety standard for lithium-ion batteries, including those used in IT equipment, tools, laboratory, household and medical equipment.

The CB Scheme is essential for various regional approvals (KC, PSE, Gost, etc.)

UL2054

Standard for Household and Commercial Batteries that applies to battery packs for the US market. The basic requirement for testing according to UL2054 is that the battery cells have been certified according to the UL1642 Standard for Lithium Batteries.