



CellPod: Individual thermal test fixtures

A Unique Solution for Improved Battery Test Thermal Management

Each CellPod is an individual thermal management system, containing a single base cooled cylindrical cell. This accurately replicates the conditions found in many battery packs, making tests completed in CellPods more representative of real-world applications. CellPods also give greater flexibility as each cell can be set to an individual temperature setpoint.



Key Features:

- Individual cell temperature control from $-20\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C} \pm 0.5\text{ }^{\circ}\text{C}$
- All temperature setpoint changes in under 3 minutes
- Tool and adhesive-free cell instrumentation and insertion, with 4-wire (Kelvin) connections
- Low resistance electrical contacts, with $1\text{ m}\Omega$ total resistance (typical)
- Maximum continuous current of 15 A
- Cell thermal gradient (base to cap) recorded at 5 points on cell sidewall
- Control interface reporting real time CellPod conditions and recording all acquired data
- Standard cell formats: coin cells, 18650, 21700 (custom formats available on request)
- EUCAR 4 rated