Table 1 summaries the different test cases

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| --- | --- | --- |
| **EIS - Test Parameter** | **Test Breakpoint Conditions** | **Total number of Test Cases** |
| SOH (%) | 80, 85, 90, 95 and 100% | 5 |
| SOC (%) | 5, 20, 50, 70 and 95% | 5 |
| Ambient Temperature ℃ | 15, 25, 35 | 3 |
| Total EIS test cases | | 75 |
| 5 cells per RPT stage, the total number of EIS datasets across the complete experimental design space | | **375** |
|  | | |
| Energy Capacity - Test Parameter | Test Breakpoint Conditions | Total number of Test Cases |
| SOH (%) | 80, 85, 90, 95 and 100% | 5 |
| Ambient Temperature ℃ | 25 | 1 |
| Total energy capacity test cases | | 5 |
| 5 cells per RPT stage, the total number of energy capacity datasets across the complete experimental design space | | **25** |