

Impact of Thermal Management Solutions on High Power Applications: 200 Ampere Pulse

Lithium-ion Battery 48VDC – 42Ah – 2kWh
2414-01-0000029



Objective

Observe temperature evolution with and without Uni.T during high power application: 15 pulses of 200A over 30 seconds.

Test conditions

Initial conditions:

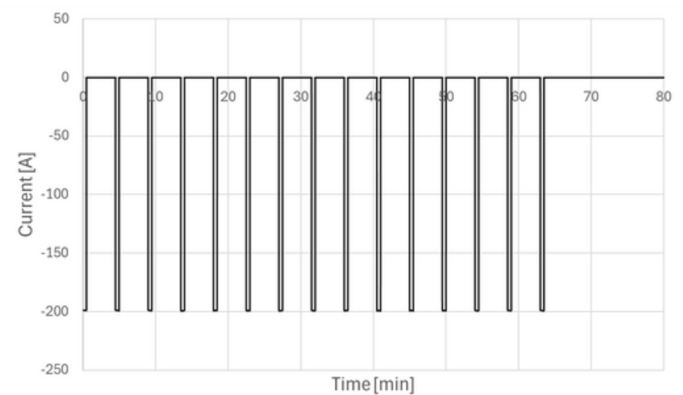
- State of Charge (SoC) : 97%.
- Ambient temperature : 20°C.

Current Profile:

- Pulse intensity :200A for a duration of 30 seconds, repeated 15 times.
- Resting time between each pulse: 4 minutes.

Thermal Management Conditions:

- With the thermal management solution activated.
- Without the thermal management solution.



Test results

