

## [Summary of Test results]

Cell Level Test  
Cell model: LF280K  
Report No.:  
4789795626

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| Cell Design:                                    | LF280K                                                   |
| Thermal Runaway Methodology:                    | External heating                                         |
| Cell Surface Temperature at Gas venting:        | 146.9 °C                                                 |
| Cell Surface Temperature at Thermal Runaway:    | 147.7 °C                                                 |
| Gas Composition:                                | Mainly Hydrocarbon, H <sub>2</sub> , CO, CO <sub>2</sub> |
| Lower Flammability Limit:                       | 7.15 Vol% at ambient temperature,<br>6.45 Vol% at 147 °C |
| Burning Velocity:                               | 79 cm/s                                                  |
| Pmax:                                           | 102 psig                                                 |
| Thermal Runaway was Induced in the Cell or not: | Induced                                                  |
| Cell Vent Gas is Flammable or not in Air:       | Flammable                                                |

Remark: Information was cited from UL test report No.: 4789795626.

Module Level Test  
Module model:  
LUNA2000-54-2E1  
Report No:  
CQES240500036801

|                                                            |                                                          |
|------------------------------------------------------------|----------------------------------------------------------|
| Module Design:                                             | LUNA2000-54-2E1                                          |
| Thermal Runaway Methodology:                               | External heating                                         |
| External Flaming:                                          | No external flaming observed                             |
| Locations of Flame Venting:                                | No flame extension observed                              |
| Flying Debris:                                             | No flying debris observed                                |
| Peak Smoke Release Rate :                                  | 0.123 m <sup>2</sup> /s                                  |
| Gas Generation and Composition:                            | Mainly Hydrocarbon, CO, CO <sub>2</sub> , H <sub>2</sub> |
| Thermal Runaway are Contained by the Module Design or not: | Contained by the Module Design                           |
| Cell Vent Gas is Flammable or not:                         | Flammable                                                |
| Other Description:                                         | N/A                                                      |
| Test Video file:                                           | Archived by Applicant                                    |

Unit Level Test  
Unit model:  
LUNA2000-215-2S10,  
LUNA2000-215-2S12  
Report No:  
CQES240500036701

|                                                          |                                      |
|----------------------------------------------------------|--------------------------------------|
| Unit Design:                                             | LUNA2000-215-2S10, LUNA2000-215-2S12 |
| Thermal Runaway Methodology:                             | External heating                     |
| External Flaming:                                        | No external flaming observed         |
| Locations of Flame Venting:                              | No flame extension observed          |
| Flying Debris:                                           | No flying debris observed            |
| Explosion or not:                                        | No explosion observed                |
| Max. Surface Temperature of Module in Target BESS Unit:  | 27.3 °C                              |
| Max. Temperature Rise on Wall Surfaces:                  | 2.6 °C                               |
| Thermal Runaway are Contained by the Unit Design or not: | Contained by the Unit Design         |
| Cell Vent Gas is Flammable or not:                       | Flammable                            |
| Heat Flux in the Center of Egress:                       | N/A                                  |
| Cheesecloth Indicator Flaming or not:                    | N/A                                  |
| Test Video File:                                         | Archived by Applicant                |

Remark:

1. This report only evaluated unit level test which is listed inside the dotted box.
2. No further level testing required according to UL 9540A standard.

