

Appendix A



**APPENDIX B –Attributes of Cell Technology**

**Proposed for EVs for FY 2020 Commercialization**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Current State (baseline) (BOL)** | **End of Program Target (BOL)** |
| **Cell Level Attributes (supplied by developer)** | **Units** |
|  |  |
| **Cell Capacity (C/3 Rate discharge)** | **Ah** |  |  |
| **Cell Volume (without terminals/tabs)** | **Liter** |  |  |
| **Cell Mass** | **kg** |  |  |
| **Vmin continuous, Vmax continuous (0 and 100% SOC)** | **V, V** |  |  |
| **Vmin pulse, Vmax pulse (10 sec pulses)** | **V, V** |  |  |
| **Vnominal (Wh/Ah)** | **V** |  |  |
| **Energy Density (volumetric)** | **Wh/l** |  |  |
| **Specific Energy** | **Wh/kg** |  |  |
| **Power Density (10 sec. HPPC power), 50% SOC** | **W/l** |  |  |
| **Specific Power (10 sec. HPPC power), 50% SOC** | **W/g** |  |  |
| **Target Cost / unit (>10 million cells/annum rate)** | **$** |  |  |
| **Cell format (cylindrical/prismatic)** | **can/pouch/etc.** |  |  |
| **Cell dimensions: (height x width x thickness)** | **mmxmmxmm** |  |  |
| **Proposed Architecture to Achieve System Targets** | | | |
| **Battery Size Factor (BSF) – No. of Cells** | **#** |  |  |
| **Parallel-Series Configuration** | **\_\_p\_\_s** |  |  |
|  |  |  |  |