

Primary cell/battery technical requirements

| # | Parameter | Value | Units |
|----|---|-------|--------|
| 1 | Device description | | |
| 2 | Open Circuit Voltage | | V |
| 3 | Nominal Voltage | | V |
| 4 | Cut Off Voltage | | V |
| 5 | Max Constant Discharge Current (Per any operation mode) | | A |
| 6 | Max Pulse Discharge Current (Per any operation mode) | | A |
| 7 | Minimum Battery Capacity | | Ah |
| 8 | Maximum Wight | | Grams |
| 9 | Maximum Battery Dimensions | | mm |
| 10 | Self-Discharge | | %/Year |
| 11 | Shelf life | | Year |
| 12 | Discharge Operating Temperatures Range | | C |
| 13 | Storage Operating Temperatures Range | | C |
| 14 | Vibration limitations | | g |
| | Mechanical Shock limitations | | g |
| | Thermal Shock | | c/min |
| | Altitude | | psi |
| | Humidity | | % |

| | | | |
|----|---|--|--|
| 15 | Shape: Cylindrical, Prismatic, Button... | | |
| 16 | BMS (Protection, Communication, Fuel gauge) | | |
| 17 | Packaging (Shrink, Box....) | | |
| 18 | Thermal Management/Cooling | | |
| 19 | Interface and interface length (eg. Connectors + wire...) | | |
| 20 | Color and Marking | | |
| 21 | Reliability | | |
| 22 | Maintainability | | |
| 23 | Testability | | |
| 24 | EMC | | |
| 25 | UN Tests (regulated transportation) | | |
| 26 | Certifications UL1642 UL 2054 | | |
| 27 | Quality Control | | |
| 28 | RoHS | | |
| 29 | Cells manufacturing date code | | |
| 30 | Documentation required | | |
| 31 | Special Safety Requirements | | |

- Adding mechanical drawings could be useful
- Contact us for battery consulting