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|---|-------------|------|--|--------------|--------------|
|  |             |      | Title  |              |              |
|   |             |      | Lithium ion Rechargeable Cell Specification<br>(SPB605060A3) |              |              |
|   | RESPONSIBLE | DATE | SIZE   | DOCUMENT NO. | REV          |
| AUTHORS   |             |      | A4   | CR07-5020    | 00           |
| USER  |             |      |  |              |              |
| RELEASE   |             |      | MANUAL CHANGE PROHIBITED                                     |              | SHEET 1 OF 3 |

# *Lithium ion Rechargeable Cell Specification*


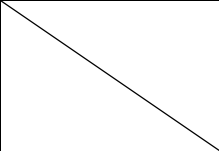
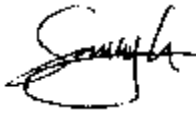
**SPB605060A3, 3.7V, 1.9Ah**

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|---|---|--|---|
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|--|--------------------------|--------------|--------------|
| Battery Specification<br>(SPB605060A3) | A4                       | CR07-5020    | 00           |
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## 1. Descriptions

|                 |  |
|-----------------|--|
| 1.1 Description | Rechargeable Lithium ion Rechargeable Cell |
| 1.2 Model       | SPB605060A3                                |

## 2. Nominal specification

| Item                        | Specification          |  |
|-----------------------------|------------------------|--|
| 2.1 Nominal Capacity        | 1.9Ah (0.5C discharge) |  |
| 2.2 Energy density          | Volumetric             | 390Wh/L                                  |
|                             | Gravimetric            | 185Wh/Kg                                 |
| 2.3 Nominal Voltage         | 3.7V                   |  |
| 2.4 Operating Voltage Range | 2.80V ~ 4.20V          |  |
| 2.5 Standard                | Charge Current         | 0.95A (0.5C)                             |
|                             | Discharge Current      | 0.95A (0.5C)                             |
| 2.6 Maximum                 | Charge Current         | 1.9A (1.0C)                              |
|                             | Discharge Current      | 15.2A (8.0C)                             |
| 2.7 Operating Temperature   | Charge                 | 0°C ~ 45°C                               |
|                             | Discharge              | -20°C ~ 60°C                             |
| 2.8 Storage Temperature     | 0°C ~ 25°C             | ≤ 1Year                                  |
|                             | 0°C ~ 45°C             | ≤ 3Month                                 |
|                             | -20°C ~ 55°C           | ≤ 1Month                                 |
| 2.9 Storage Humidity        | 45 ~ 85%RH             |  |
| 2.10 Cell size              | Thickness              | 6.0 ± 0.3mm (Initial fully charged Cell) |
|                             | Width                  | 50.0 +1.0/-2.0mm                         |
|                             | Length                 | 60.0 +2.0/-1.0mm                         |
| 2.11 AC Impedance           | Max. 20mΩ              |  |
| 2.12 Weight                 | Max. 38.0 g            |  |

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### 3. Mechanical Drawings

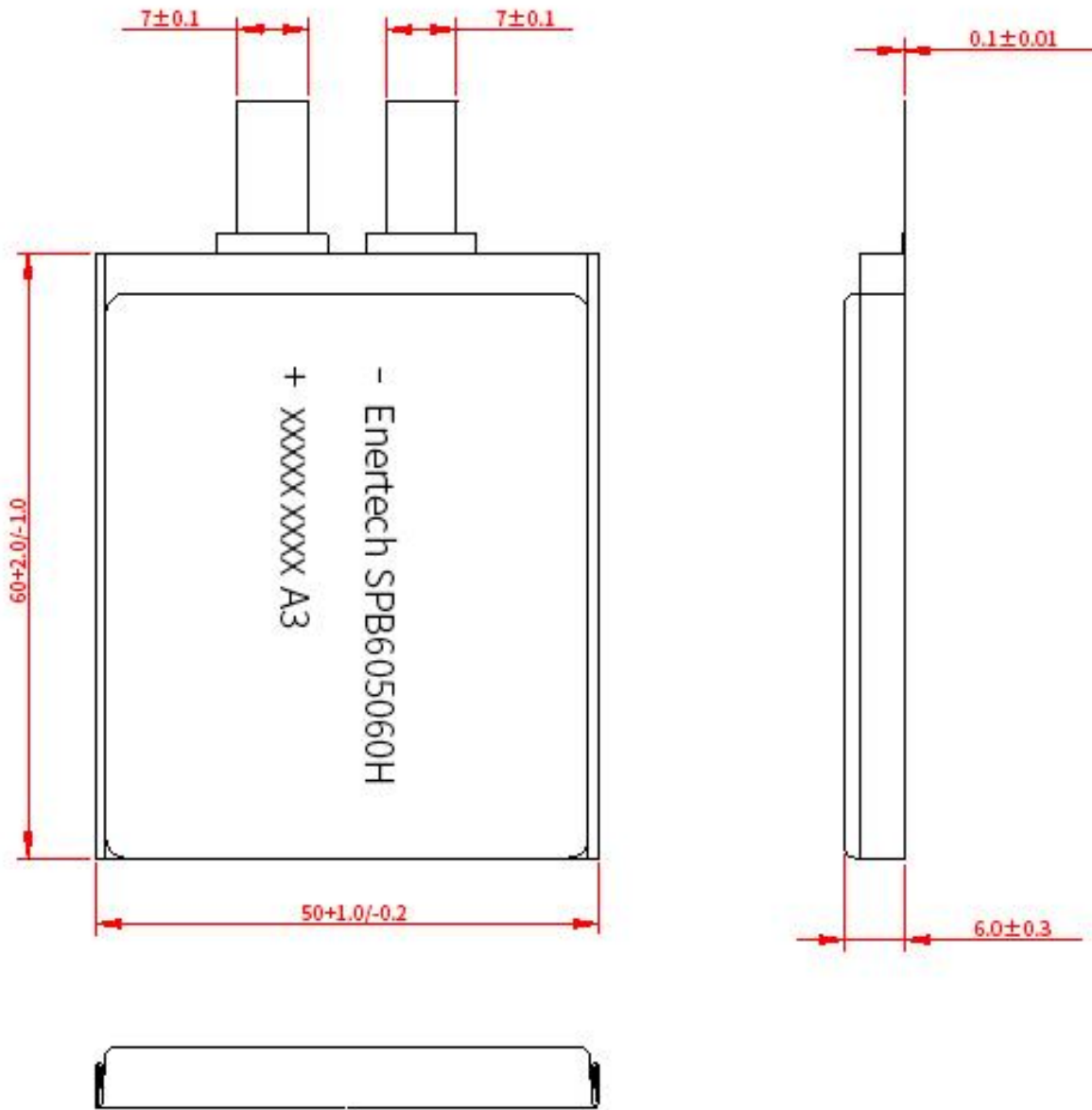


Figure 1 Lithium ion Rechargeable Cell Outline Drawing