

# Specification of Li-ion Rechargeable Battery

Model No.: 103450AR2-1S-3M

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Checked by: \_\_\_\_\_      Date : \_\_\_\_\_

Approved by: \_\_\_\_\_      Date: \_\_\_\_\_

## 1. Scope

This specification describes the definition, technical requirement, testing method, warning

and caution of the Lithium ion rechargeable battery.

## 2. Product Model

2.1 Battery type: Lithium ion rechargeable battery pack

2.2 Model No.: 103450AR2-1S-3M

## 3. Basic Specification

|      |                                  |                                              |
|------|----------------------------------|----------------------------------------------|
| 3.1  | Nominal voltage                  | 3.7V                                         |
| 3.2  | Capacity                         | 1800mAh (0.2C discharged from 4.2V to 2.75V) |
| 3.3  | Charge voltage                   | 4.20±0.05V                                   |
| 3.4  | Max charge current               | 0.5C(900mA)                                  |
| 3.5  | Charge conditions                | CC / CV                                      |
| 3.6  | Max continuous discharge current | 0.5C ( 900mA )                               |
| 3.7  | Max discharge current            | 1C ( 1800mA)                                 |
| 3.8  | Discharge cut-off voltage        | 2.30V±0.05V                                  |
| 3.9  | Thermistor                       | 10K NTC (5%)                                 |
| 3.10 | Internal Impedance               | ≤180mohm (after charged)                     |
| 3.11 | PTC                              | LP300N                                       |
| 3.12 | Working temperature              | Charge: 0 ~ +45°C                            |
| 3.13 |                                  | Discharge: -20 ~ +60°C<recommend -0~45°C>    |
| 3.14 | Storage temperature              | -20 ~ +45°C<recommend -0~35°C>               |
| 3.15 | Relative humidity                | 65±20%                                       |
| 3.16 | Weight                           | Approx 39g <for battery pack>                |
| 3.17 | Battery pack dimension           | Thickness: 10.4mm<±0.3mm>                    |
|      |                                  | Width : 36.8mm<±0.5mm >                      |
|      |                                  | Length : 50.5mm<±0.5mm >                     |

## 4. Visual Inspection

There shall be no such defects as remarkable scratches, cracks, bolts, cup cancers, deformations, swelling, leakage.