

# Specification of Li-ion Rechargeable Battery

Model No.: 18650CA-2P-3J

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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.: 18650CA-2P-3J

## 3. Basic Specification

3.1	Nominal voltage	3.7V
3.2	Nominal capacity	4500mAh (0.2C discharged from 4.2V to 2.75V)
	Minimum capacity	4300mAh (0.2C discharged from 4.2V to 2.75V)
3.3	Charge voltage	4.20±0.05V
3.4	Standard charge current	0.2C(1100mAh)
	Max charge current	0.5C(10°C≥T≥0°C)
3.5	Charge conditions	CC / CV
3.6	Max continuous discharge current	0.5C(2250mAh)
3.7	Max peak discharge current	1C ( 4500mA)
3.8	Discharge cut-off voltage	2.5V±0.063V
3.9	Thermister	10K NTC((±5%)
3.10	Internal Impedance	<180mohm (after charged)
3.11	Working temperature	Charge: 0 ~ +45°C
3.12		Discharge: -20 ~ +60°C
3.13	Storage temperature	-20 ~ +45°C<recommend -0~35°C>
3.14	Relative humidity	65±20%
3.15	Weight	Approx 95g <for battery pack>
3.16	Battery pack dimension	Thickness: 18.5mm<±0.3mm>
		Width : 37.0mm<±0.5mm >
		Length : 69.0mm<±0.5mm >