

Specification of Li-ion Rechargeable Battery

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

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Checked by: _____ Date : _____
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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-2S-3J

3. Basic Specification

3.1	Nominal voltage	7.4V
3.2	Nominal capacity	2250mAh (0.2C discharged from 4.2V to 2.75V each cell)
	Minimum capacity	2150mAh (0.2C discharged from 4.2V to 2.75V each cell)
3.3	Charge voltage	4.20±0.05V<each cell>
3.4	Standard charge current	0.5C(1100mA)
	Max charge current	1C (2200mAh, 10°C≥T≥0°C)
3.5	Charge conditions	CC / CV
3.6	Max continuous discharge current	1C (2200mA)
3.7	Max peak discharge current	1C (2200mA)
3.8	Discharge cut-off voltage	3.0V±0.075V<each cell>
3.9	Thermister	10K NTC((±5%)
3.10	Internal Impedance	≤200mohm (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 100g <for battery pack>
3.16	Battery pack dimension	Thickness: 18.6mm<±0.3mm>
		Width : 37.3mm<±0.5mm >
		Length : 70.0mm<±0.5mm >