

Specification of Li-ion Rechargeable Battery

Model No.: 18650CA-1S-3J

Reported by: 陈声宇 Date: Oct,17,2013

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-1S-3J

3. Basic Specification

3.1	Nominal voltage	3.7V
3.2	Nominal Capacity	2250mAh (0.2C discharged from 4.2V to 2.75V)
	Minimum capacity	2150mAh (0.2C discharged from 4.2V to 2.75V)
3.3	Charge voltage	4.20±0.05V
3.4	Standard charge current	0.5C(1100mA)
	Max charge current	1C(2200mA)
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	2.3V±0.075V
3.9	Internal Impedance	≤180mohm (after charged)
3.10	Thermistor	10K NTC
3.11	Working temperature	Charge: 0 ~ +45°C
3.12		Discharge: -20 ~ +60°C
3.13	Storage temperature	-20 ~ +45°C<recommend 10~35°C>
3.14	Relative humidity	65±20%
3.15	Weight	Approx 50g <for battery pack>
3.16	Battery pack dimension	Thickness: 18.5*69.0mm<±0.5mm>
3.17	Weight	Approx 46g <for single cell>

4. Visual Inspection

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