

## Product Specification

CONFIDENTIAL

REV: V0

Page: 2 of 15

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TITLE: Cylindrical Lithium Ion Cell LR18650

### 1 SCOPE

The product specification describes the requirement of the Cylindrical Lithium-ion Cell to be supplied to the customer by Tianjin Lishen Battery J/S Co.,Ltd.. Should there be any additional information required by the customer, customer are advised to contact Tianjin Lishen Battery J/S Co.,Ltd..

### 2 DESCRIPTION AND MODEL

2.1 Description : Cylindrical Lithium Ion Cell

2.2 Model : LR1865SF

### 3 GENERAL SPECIFICATIONS

3.1	Nominal Capacity	2200mAh (at 0.2C Discharge)
	Minimum Capacity	2150mAh (at 0.2C Discharge)
3.2	Charging Voltage	4.20V±0.05V
3.3	Average working Voltage	3.70V@0.2C
3.4	Standard Charge Method	Constant Current and Constant Voltage (CC/CV) Current 0.5C (1075mA) Voltage 4.2V End Current 43mA±5mA
3.5	Maximum Charge Current	1C (2150mA)
3.6	Standard Discharge	Constant Current (CC) Current 0.5C (1075mA) End Voltage 3.0V
3.7	Maximum Discharge Current	2C (4300mA)
3.8	Cycle Life	300 <sup>th</sup> cycle >80% of design Capacity (0.5C/0.5C at 25°C) 300 <sup>th</sup> cycle >75% of design Capacity (0.8C/0.5C at 25°C) 200 <sup>th</sup> cycle >80% of design Capacity (0.8C/0.5C at 40°C)
3.9	Weight of Bare Cell	Max.48g
3.10	Operating Enviromental Temperature	Charge 0°C ~ 45 °C Discharge -20°C ~ 60°C
3.11	Storage Temperature	1 month -20°C ~ 45 °C 6 months -20°C ~ 35 °C