

# Quality Specification

REVISION	
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## 1 Scope

This document describes the Product Specification of the Lithium-ion rechargeable battery cell supplied by BEXEL.

## 2 Cell Specification

No	Items	Specification	Remark
1	Model	INR18650HR-SP1-2600	
2	Can Material	Ni-Iron	
3	Rated Capacity	2600 mAh (0.2C <sub>5</sub> A)	
	Min. Capacity	2550 mAh (0.2C <sub>5</sub> A)	
4	Nominal Voltage	3.7V	
5	Max. Charge Voltage	4.2 V	
6	Discharge Cut-off Voltage	2.75V	
7	Max. Charge Current	1 C <sub>5</sub> A	
8	Standard Discharging Current	0.2 C <sub>5</sub> A	
9	Max. Continuous Discharge Current	13 A	
10	Max. Pulse Discharge Current	30A ( 2s pulse )	
11	Max. Diameter (include PET)	≤18.40 mm	
12	Max. Height (include PET)	≤65.50mm	
13	Weight (Approx.)	44.0±1.0g	
14	Impedance (Max. 1000Hz charged status)	≤ 18 mΩ	
15	Charge Method (CC/CV)	Standard	0.5 C <sub>5</sub> A×6hrs
		Quick	1 C <sub>5</sub> A×1.5hrs.
16	Operating Temperature	Charge	0℃ ~ 45℃ 32° F ~113° F
		Discharge	-20℃ ~ 60℃ -4° F ~140° F
		Discharge	-20℃ ~ 45℃ -4° F ~113° F

## 3 Characteristic

Without special instructions, the following tests should be done under the condition of : temperature(23℃±3℃) atmospheric pressure (86KPa ~106KPa), relative humidity (45% ~ 85%), and the tests should be done within two weeks after receiving the products. the definitions of some nomenclatures of this specification standard Charge: Charge with current 0.2C<sub>5</sub>A to limit charge voltage under the condition of 23℃±3℃ surrounding temperature, then ange to charge with constant voltage till the current less than or equal to 0.02C<sub>5</sub>A.