

Quality Specification

TYPE	Cylindrically Battery
NUMBER	2018-08
REVISION	0

TITLE : Li-ion INR18650 3000 SP01(Lithium Battery)

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	INR18650-3000 SP01		
2	Can Material	Ni-Iron		
3	Rated Capacity	3000 mA h(0.2C)		
	Min. Capacity	2950 mA h(0.2C)		
4	Nominal Voltage	3.7V		
5	Max. Charge Voltage	4.2 V		
6	Discharge Cut-off Voltage	2.5 V		
7	Max. Charge Current	4.0 A		
8	Standard Discharging Current	0.2 C		
9	Max. Continuous Discharge Current	5.0 C		
10	Max. Diameter(include PET)	≤ 18.50 mm		
11	Max. Height (include PET)	≤ 65.50 mm		
12	Weight (Approx.)	48.0g		
13	Impedance (Max. 1000Hz, charged status)	≤ 18 mΩ		
14	Charge Method (CC/CV)	Standard	0.5C/4.2V to 0.05C	
		Quick	4.0 A/4.2V to 0.03C	
15	Operating Temperature	Charge	0℃ ~ 45℃	
		Discharge	-20℃ ~ 75℃	
		Storage	-20℃ ~ 45℃	