

NO.	Items	Specifications	
1	Model	INR18650-2200	
2	Can Material	Ni-Iron	
3	Rated Capacity	2200 mAh ( 0.2C5A )	
4	Nominal Voltage	3.7V	
5	Max. Charge Voltage	4.2 V	
6	Discharge Cut-off Voltage	2.75V	
7	Max. Charge Current	1 C5A	
8	Standard Discharging Current	0.5 C5A	
9	Max. Continuous Discharge Current	11 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.)	44.0g	
14	Impedance ( Max. at 1000Hz , charged status )	≤ 18 mΩ	
15	Charge Method (CC/CV)	Standard	0.2 C5A×5hrs
		Quick	1 C5A×2.5hrs.
		Charge	0°C~45°C 320F~113oF
16	Operating Temperature	Discharge	-10°C~60°C -40F~140oF
		Storage	-20°C~45°C -40F~113oF

NO.	Item	Standard	Test Method
1	Discharge rate capabilities	A) 1 C5A ≥97% B) 5 C5A ≥95%	Standard charged under the condition of normal atmospheric pressure and the environmental temperature of 23°C±3°C and 45%~85%RH, then rest for 30mins and discharge at 1C5A、5 C5A、10 C5A to the discharge cut-off voltage respectively. Charge/discharge cycle can be conducted for 3times before meeting the Standards ( the same below )
2	capacity retention and recovery	Residualcapacity≥94 % Recoverablecapacity≥98%	Standard charged under the condition of normal atmospheric pressure and the environmental temperature of 23°C±3°C, Stored for 28 days, then discharge at 0.2 C5A to 2.50Vmeasuring residual capacity; Then standard charge/discharge measure recoverable capacity.
3	Low TemperaturePerformance	discharge capacity≥85% rated capacityno distortion and no rupture	The cell shall be charged in accordance with the standard charge. Then stored in the temperature of -10°C±1°C for 4h, Discharge at the constant current of 0.2C5A down to the end-of-discharge voltage 2.750V.
4	Cycle Life		Charge: The cell shall be charged in accordance with RapidCharge condition. rest for 10mins.Discharge : 5C5A discharge to 2.75V, one cycle is finished, then rest for 30mins. Then repeat above steps, when capacity is less than 80% of initial capacity, the battery life is over.