

# 3.7V polymer li-ion battery 602030 300mAh 3.7V

## 1) Specification

No	Item	Rated Performance		Remark
1	Rated Capacity	Typical	300mAh	Discharge at 0.2C after standard charge fully.
		Minimum	280mAh	
2	Nominal Voltage	3.7V		Mean operation voltage during standard discharge.
3	Voltage at end of Discharge	3.0V		Discharge cut-off voltage.
4	Charging Voltage	4.2±0.03V		
5	AC (1KHz) Impedance New Cell Max.(mΩ)	≤100mΩ		
6	Standard Charge	Constant Current 0.5C Constant Voltage 4.2V Cut-off current 0.01C		Charge time: Approx 4.0h.
7	Standard Discharge	Constant current 0.2 C end voltage 3.0V		
8	Fast Charge	Constant Current 1C Constant Voltage 4.2V Cut-off current 0.01C		Charge time: Approx 2.5h.
9	Fast Discharge	Constant current 1 C end voltage 3.0V		
10	Maximum Continuous Charge Current	1.0C		
11	Maximum Continuous Discharge Current	1.5C		
12	Operation Temperature Range	Charge: 0~45℃		60±25%RH. Bare Cell.
		Discharge: -20~60℃		
13	Storage Temperature Range	Less than 1 year: -20~25℃		
		Less than 3 months: -20~40℃		
		Less than 1 months: -30~45℃		
		Less than 12 hour: 45~60℃		
14	Storage Humidity Range	60±25%RH.		
15	Weight	Approx: 6g		Whole product
16	Product Dimension	Length: Max. 31.5mm		Initial dimension
		Width: Max. 20.5mm		
		Thickness: Max. 6.2mm		
17	Package	Standard International transportation package, based on UN3480 PI965[RLI] Lithium Ion Cells/Batteries ONLY		

**2) Electric features:**

No.	Item	Type value	Unit
1	Over charge detection voltage	4.28±0.03	V
2	Over charge detection delay time	80-200ms	
3	Over charge release voltage	4.08±0.03	V
4	Over discharge detection voltage	3.0±0.08	V
5	Over discharge detection delay time	20-60ms	V
6	Over discharge release voltage	3.0±0.25	V
7	Over current detection voltage	150±30mv	V
8	Over current protection current	1.8±0.5A	A
9	Over current detection delay time	10-20ms	
10	Cycle life	≤500 times(≥70% 0.5C)	