

	Type: SR674361P
	REV: 1.0
	Date: 2013-3-8

1. Battery type and scope

This Specification Approval Sheet is for rechargeable Li-polymer battery provided by Shirui Battery Co., LTD.

1.1 model: SR674361P

1.2 scope:

2. Basic characteristic and components of the battery

2.1 Basic performance parameter

S/N	Details	Parameters		Remarks
1	Rated voltage	3.7V		
2	Rated capacity	2000mAh		discharge with 0.2C to 2.75V after fully charge within 1h, measuring the discharge time
3	Limited charge voltage	4.2V		
4	Internal resistance	≤160mΩ		
5	charge mode	C.C/C.V.		
6	Charge time	6H		Standard charging 0.2C 400mA
7	Max Charge Current	2000mA		
8	Max discharge current	Continuous: 2000mA		
9	Working temperature	charging	0~45℃	
		discharging	-10~60℃	
10	Storage temperature	1 Month	-10~35℃	Charge to 40%~50% of capacity when storage
		6 months	-10~30℃	
11	Storage humidity	≤75%		relative humidity
12	Weight	Approx.45g		
13	ESD ability	Touch discharge ≥ 20000V		
		Air discharge ≥20000V		
14	Cycle life	300 times		capacity ≥80%

Note:If you need the battery protection parameters, please refer to PAGE 8.

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2.2 Main components and parts

Materials	Model	Quantity	Related technical parameters	Manufacturer
Li-Polymer battery cell	SR674361P	1PCS	Please refer to the battery cell specification	/
Protection board	674361	1PCS		
Wire	JST-XHP-2 UL1007AWG24 Length 50mm	1PCS		

2.3 Reliable performance test

S/N	Inspection item	Standard	Testing Method
1	High temperature	No deformation, no rust, no fire or explosion; Discharge time ≥ 100 mins with 0.5C ₅ A discharge	Place the battery in the environment of 55±2℃ for 2 hours after fully charge, then discharge with 0.5C ₅ A to cut-off voltage.
2	Low temperature	No deformation, no rust, no fire or explosion; Discharge time ≥ 3 hours with 0.2C ₅ A discharge at -20±2℃	After fully charge, place the battery in the environment of -20±2℃ for 16-24h, then discharge with 0.2C ₅ A to cut-off voltage. Then display the battery in 20±5℃ for 2 hours, observe the appearance of the battery.
		No deformation, no rust, no fire or explosion; Discharge time ≥ 3.5 hours with 0.2C ₅ A discharge at -10±2℃	After fully charge, place the battery in the environment of -10±2℃ for 16-24h, then discharge with 0.2C ₅ A to cut-off voltage. Then display the battery in 20±5℃ for 2 hours, observe the appearance of the battery.
3	Capability Retention	Discharge time ≥ 4.25 h	After fully charged, store the battery at 20±5℃ for 28 days, then discharge with 0.2C ₅ A to cut-off voltage.