

Test item		Condition		Specification
1. Charge	Standard	Charge at 0.1C for 16 hours		
	Fast	Charge at 0.5C to $-\Delta V=0\sim 5mV$		
2. Discharge		At 0.2C to 1.0V		
3. Discharge cut-off voltage				1.0V
4. Capacity (mAh)	Minimum	Standard charge/discharge		2400
	Typical	Standard charge/discharge		2500
5. Internal resistance		After fully charge, rest 1 hour, measured at 1000Hz		$\leq 35m\Omega$
6. Self-Discharge		The charged battery is stored for 28 days at $20^{\circ}C \pm 5^{\circ}C$. And the discharge time is measured at standard discharge		≥ 180 minutes
7. High temperature test		Store at $40^{\circ}C$ 、 $50^{\circ}C$ 、 $60^{\circ}C$ for 2 hours then charge/discharge		No leakage
8. Low temperature test		Store at $0^{\circ}C$ for 2 hours then charge/discharge		No leakage
9. Short circuit test		Short circuit after fully charge		No explode
10. Drop test		Free fall on the concrete from 3 meters after fully charged		No leakage No short-circuit
11. Cycle life	Charge	Rest	Discharge	Capacity retention $\geq 60\%$ after 500cycles
1	0.1C for 16h	0	0.25C for 2h20min	
2~48	0.25C for 3h10min	0	0.25C for 2h20min	
49	0.25C for 3h10min	0	0.2C to 1.0V	
50	0.1C for 16h	1~4h	0.2C to 1.0V	