

Li-Ion Cylindrical Battery

Customer No: X14500H-750PCM

Model: X14500H 3.7V 750mAh

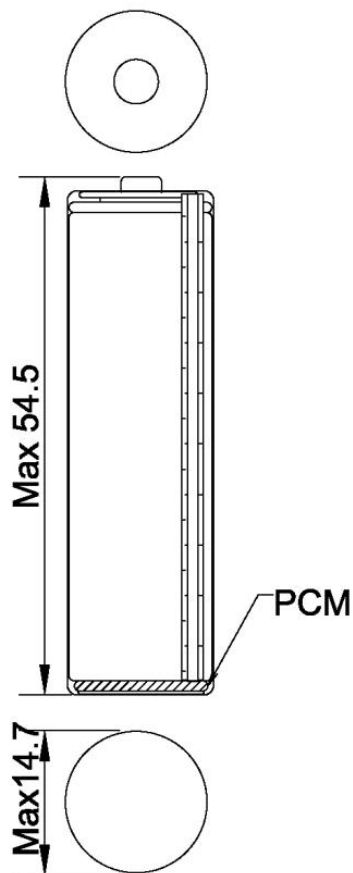
1. Preface

This document describes the Product Specification of the Li-ion Cylindrical rechargeable battery cell supplied by XCell.

2. Battery configuration

2.1 Model: X14500H 3.7V 750mAh

2.2 Assembly Drawing. (unit: mm)



3. Specification

NO.	Items	Standard	Remarks
1	Typical capacity	750 mAh	Discharge current:0.2C Cut-off voltage:3.0V/cell
2	Minimum capacity	710 mAh	
3	Charge voltage	4.2 V	
4	Nominal voltage	3.7 V	
5	Discharge cut-off voltage	3.0 V	
6	Charge current	Standard: 0.2 C	
		Rapid: 1.0 C	
7	Discharge current	Standard: 0.2 C	Continue discharge
		Max: 2.0 C	Continue discharge
		Peak: 3.0 C	
8	Standard charge	0.2C CC(constant current) charge to 4.2V/cell, then CV(constant voltage) 4.2V/cell charge 3.5hours or 7.5mA cut off.	
9	Rapid charge	1C CC (constant current) charge to 4.2V/cell, then CV (constant voltage) 4.2V/cell charge 3.0 hour or 7.5mA cut off.	
10	Max. charge current	750 mAh	
11	Internal Impedance	130mΩ	AC 1KHz after standard charge
12	Energy	2.775Wh	
13	Weight	Approx: 21±2g	
14	Operating Temperature	Charge: 0~45°C	Forbid to outrun provision scope a work.
		Discharge: -10~50°C	
15	Storage Temperature	0~45°C	See the section 5th

4. PCM Standard

Name	MIN.	Unit
Over charge detection voltage	4.280±0.050	V
Over discharge release voltage	2.500±0.100	V
Over current detection current	2.00~4.00	A
Internal resistance in normal operation	≤65	mΩ