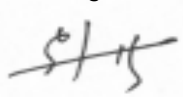

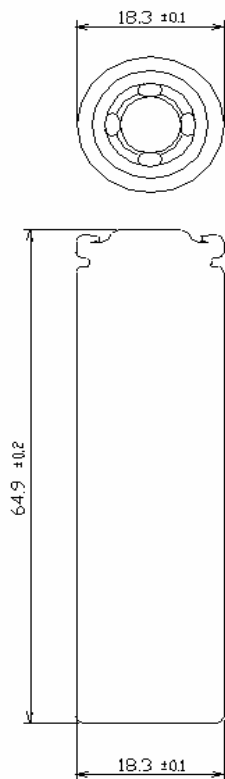


<i>Prepared</i> LGCRP/BRD/BTC/BC Yun, In Taeg	<i>Document No</i> LRB-TI-ICY240A2-030613	<i>Date</i> 2003-06-13
<i>Approved</i> LGCRP/BRD/BTC/BC Jung, Jae Han	<i>Description</i> Technical Information of ICR18650 A2 (2350mAh)	

TECHNICAL INFORMATION of ICR18650 A2 (2350mAh)

Prepared	Approved
Yun, In Taeg 	Jung, Jae Han 
Date : '03. 06. 13	Date : '03. 06. 13

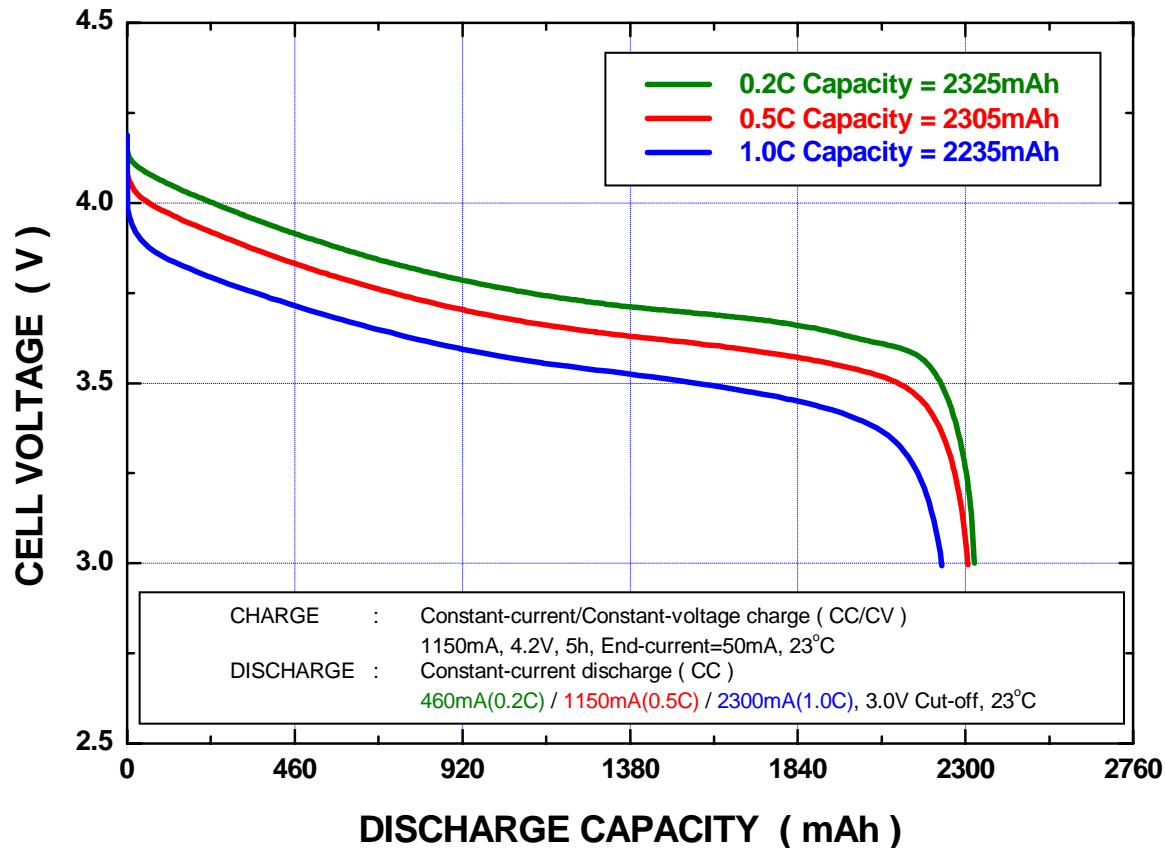


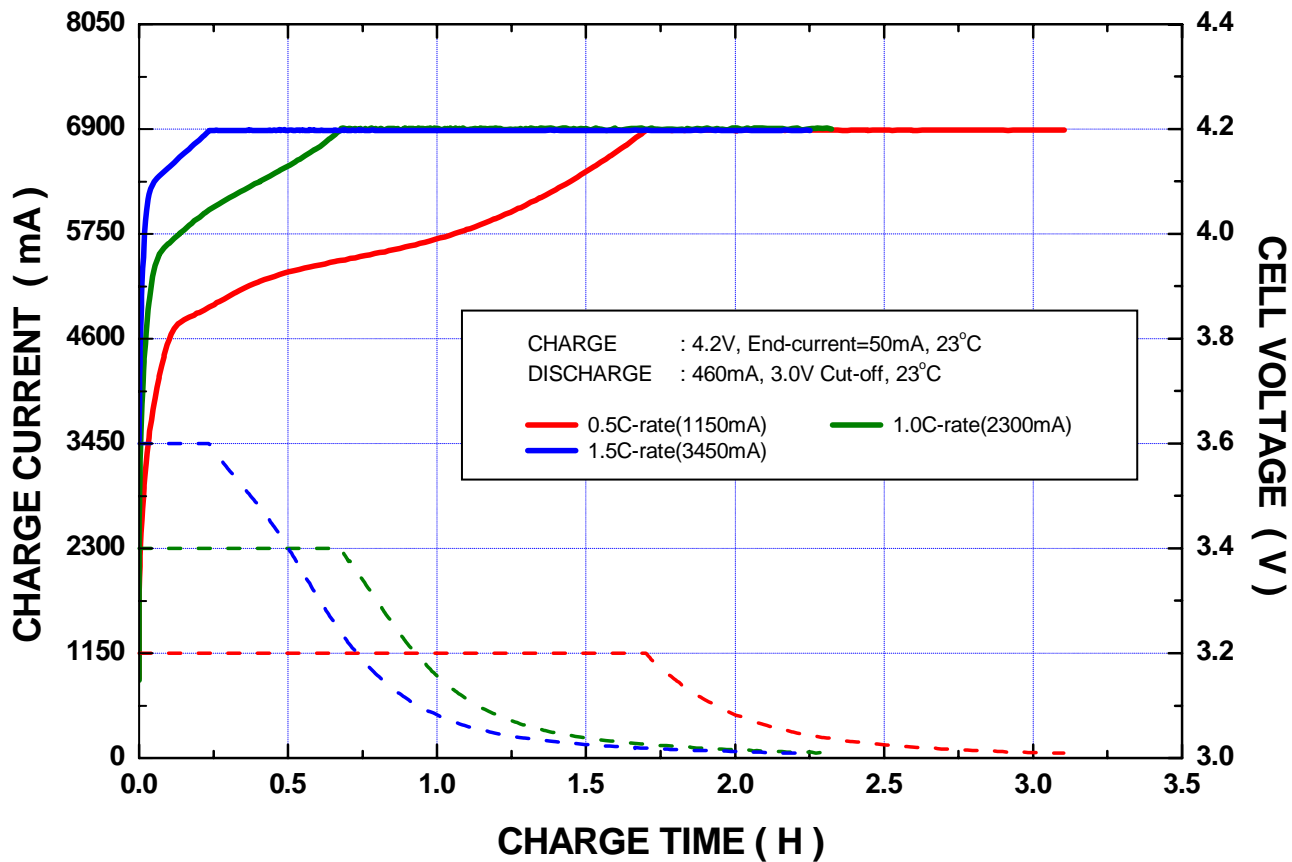
*Model ICR18650 A2*

0.2C Capacity *	Nominal	2350 mAh
	Minimum	2300 mAh
0.5C Capacity	Average	2300 mAh
Dimensions	Diameter	Max. 18.4 mm
	Height	Max. 65.1 mm
Weight (Typical)		46.5 grams
Nominal Voltage		3.7 V
Internal Impedance		80 mOhm
Cycle Performance **		80% of initial capacity at 300 cycles

* *Charge : 1150mA, 4.2V, 50mA End-current (CC-CV)
Discharge : 460mAh, 3.0V cut-off*

** *0.5C-0.5C Cycling*





Discharge Characteristics

		0.2C	0.5C	1.0C	1.5C	2.0C
Capacity	mAh	2325	2305	2235	2100	2060
	%	100	99.1	96.1	90.2	88.9

Discharge Temperature Characteristics

	Discharge Capacity					
	0.2C		0.5C		1.0C	
	mAh	%	mAh	%	mAh	%
-20°C	1605	69.0	775	33.3	5	0.2
-10°C	1840	79.1	1395	60.0	10	0.4
0°C	2080	89.5	1870	80.4	1580	68.0
23°C	2325	100	2305	99.1	2235	96.1
60°C	2275	97.8	2270	97.6	2265	97.4

* All ratio's are calculated vs. 0.2C discharge capacity at 23°C.

