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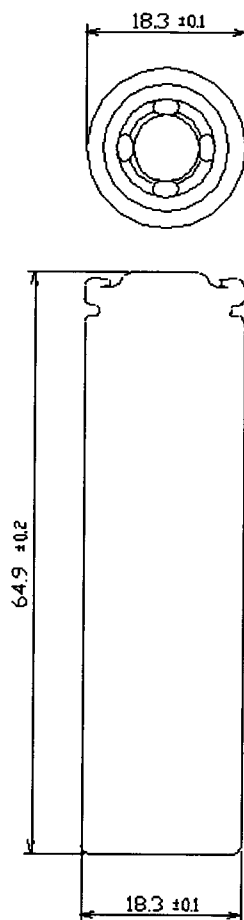
Prepared LGCRP/BRI/BTC/BC Yun, In Taeg	Document No LRB-TI-CY220-020410	Date 2002-04-10
Approved LGCRP/BRI/BTC/BC Jung, Jae Han	Description TECHNICAL INFORMATION of ICR18650 S2 (2200mAh)	

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Yun, In Taeg  Date : '02. 04. 10	Jung, Jae Han  Date : '02. 04. 10



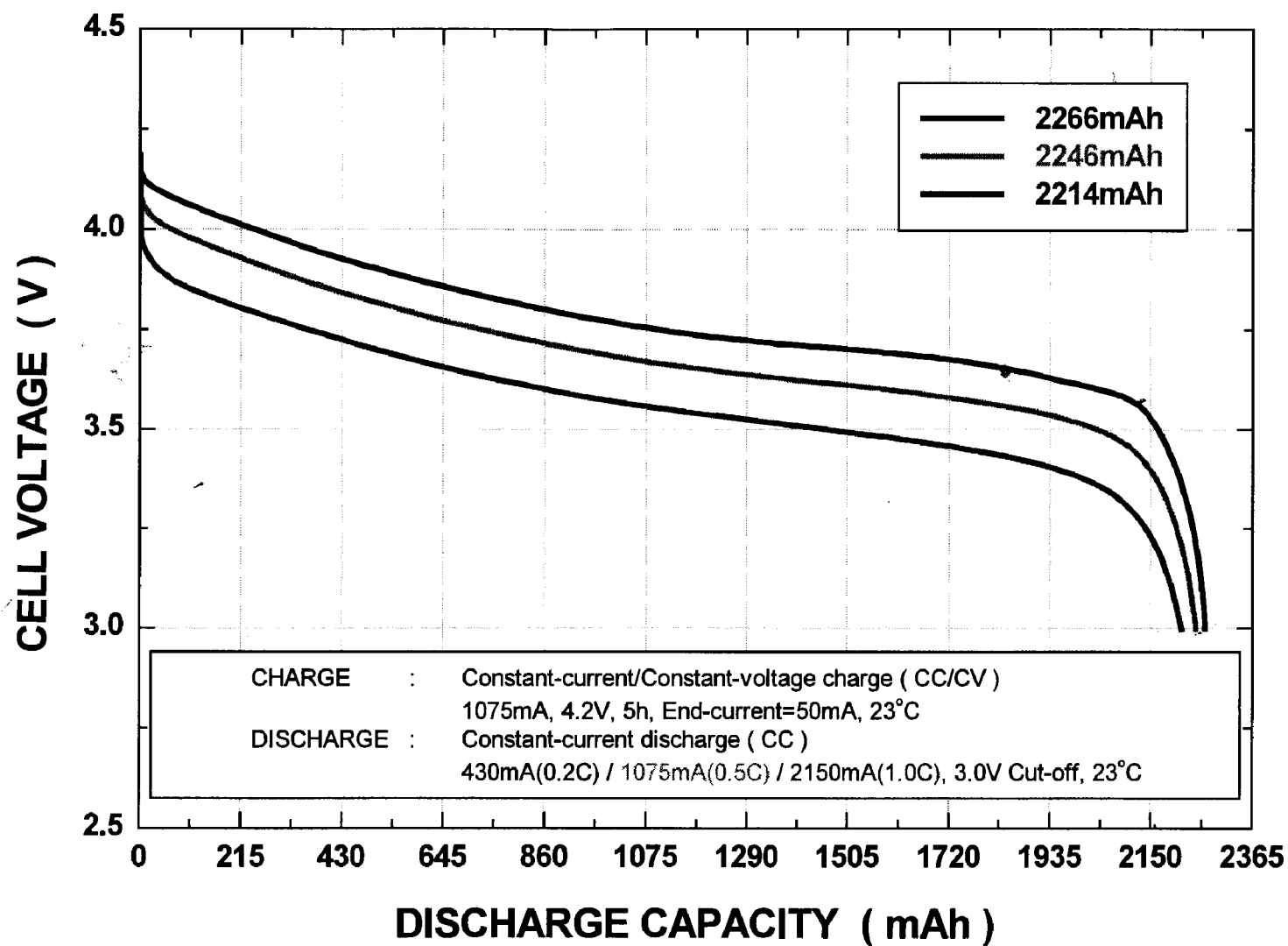
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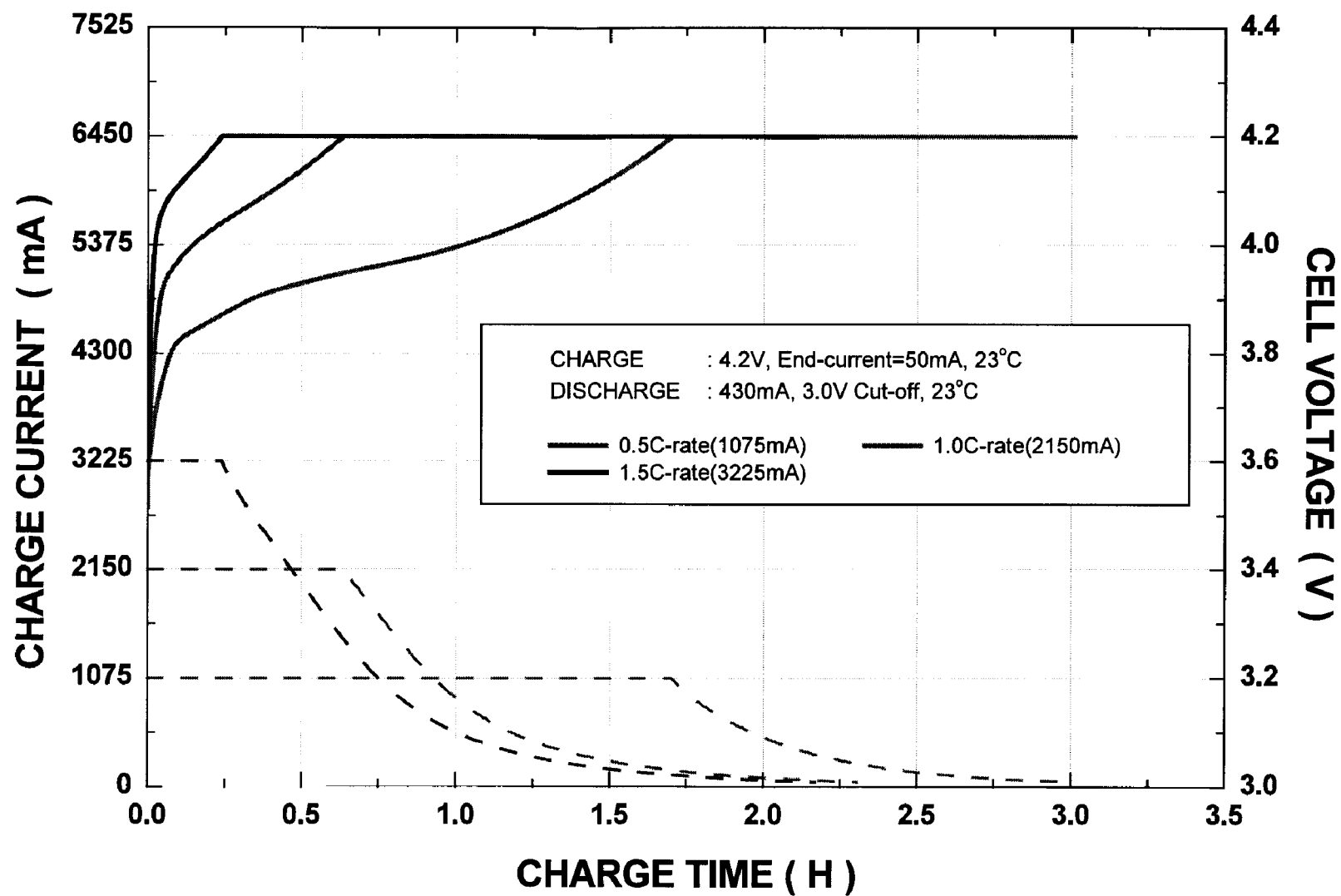
**Model ICR18650 S2**

0.2C Capacity *	Nominal	2200 mAh
	Minimum	2150 mAh
0.5C Capacity	Average	2150 mAh
Dimensions	Diameter	Max. 18.4 mm
	Height	Max. 65.1 mm
Weight (Typical)		44.0 grams
Nominal Voltage		3.7 V
Internal Impedance		≤ 80 mOhm
Cycle Performance **		$\geq 80\%$ of initial capacity at 300 cycles

* **Charge** : 1075mA, 4.2V, 50mA End-current (CC-CV)
Discharge : 430mA, 3.0V cut-off

** **0.5C-0.5C Cycling**





Discharge Characteristics

		0.2C	0.5C	1.0C	1.5C	2.0C
Capacity	mAh	2267	2238	2185	2114	2019
	%	100	99.7	96.4	93.3	89.1

Discharge Temperature Characteristics

	Discharge Capacity					
	0.2C		0.5C		1.0C	
	mAh	%	mAh	%	mAh	%
-20°C	1501	66.4	664	29.4	8	0.4
-10°C	2003	88.7	1591	70.4	867	38.4
0°C	2168	96.0	2016	89.2	1644	72.8
23°C	2259	100	2234	98.9	2180	96.5
60°C	2247	99.5	2243	99.3	2233	98.8

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

