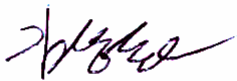


<i>Prepared</i> LGC/MEC/BTC Kim, Byung Sup	<i>Document No</i> LRB-TI-ICY220-S3-070312	<i>Date</i> 2007-03-12
<i>Approved</i> LGC/MEC/BTC Ku, Cha Hun	<i>Description</i> Technical Information of ICR18650 S3 (2200mAh)	

TECHNICAL INFORMATION of ICR18650 S3 (2200mAh)

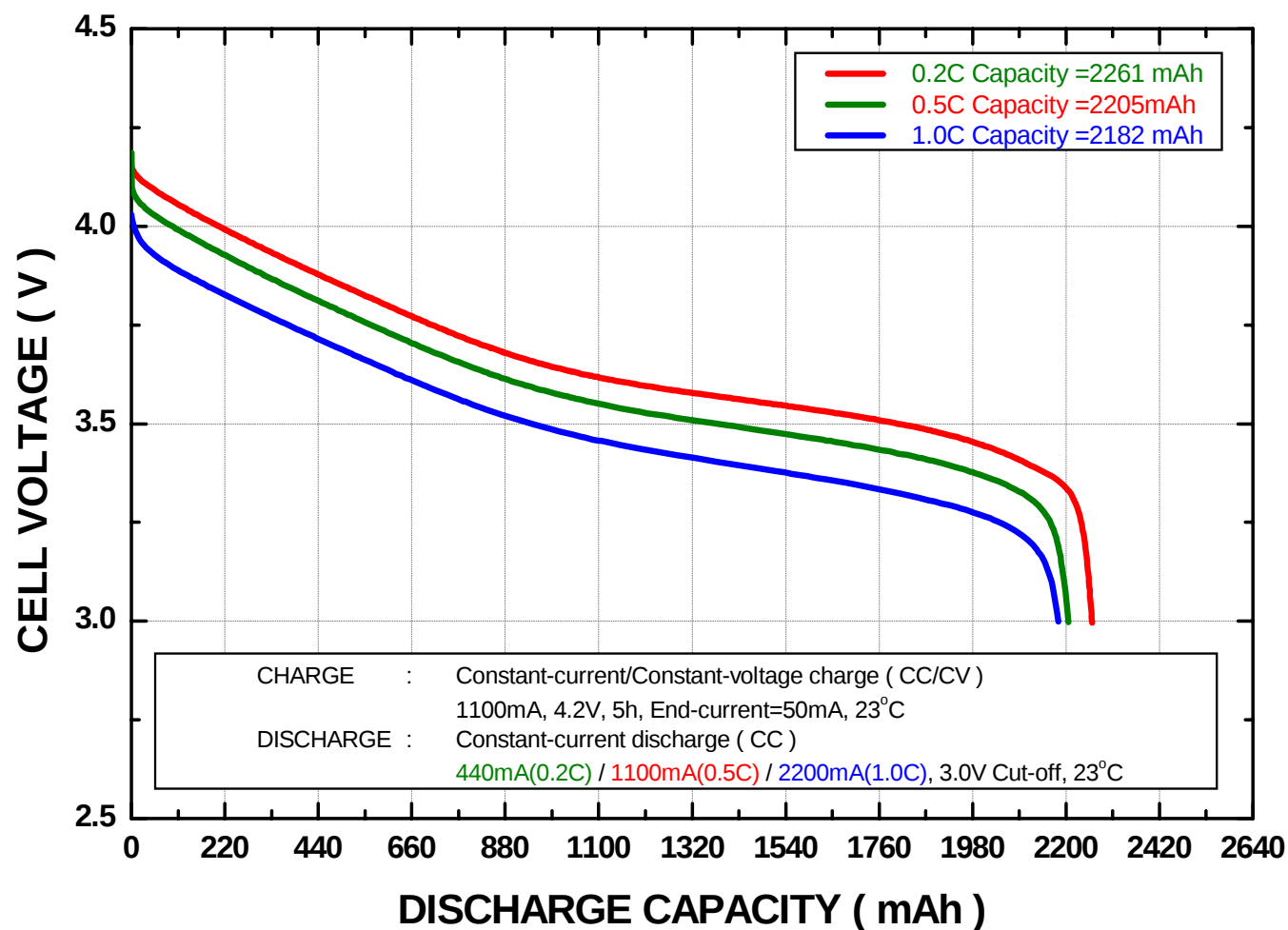
<i>Prepared</i> Kim, Byung Sup	<i>Approved</i> Ku, Cha Hun
 Date : 2007.03.12	 Date : 2007.03.12

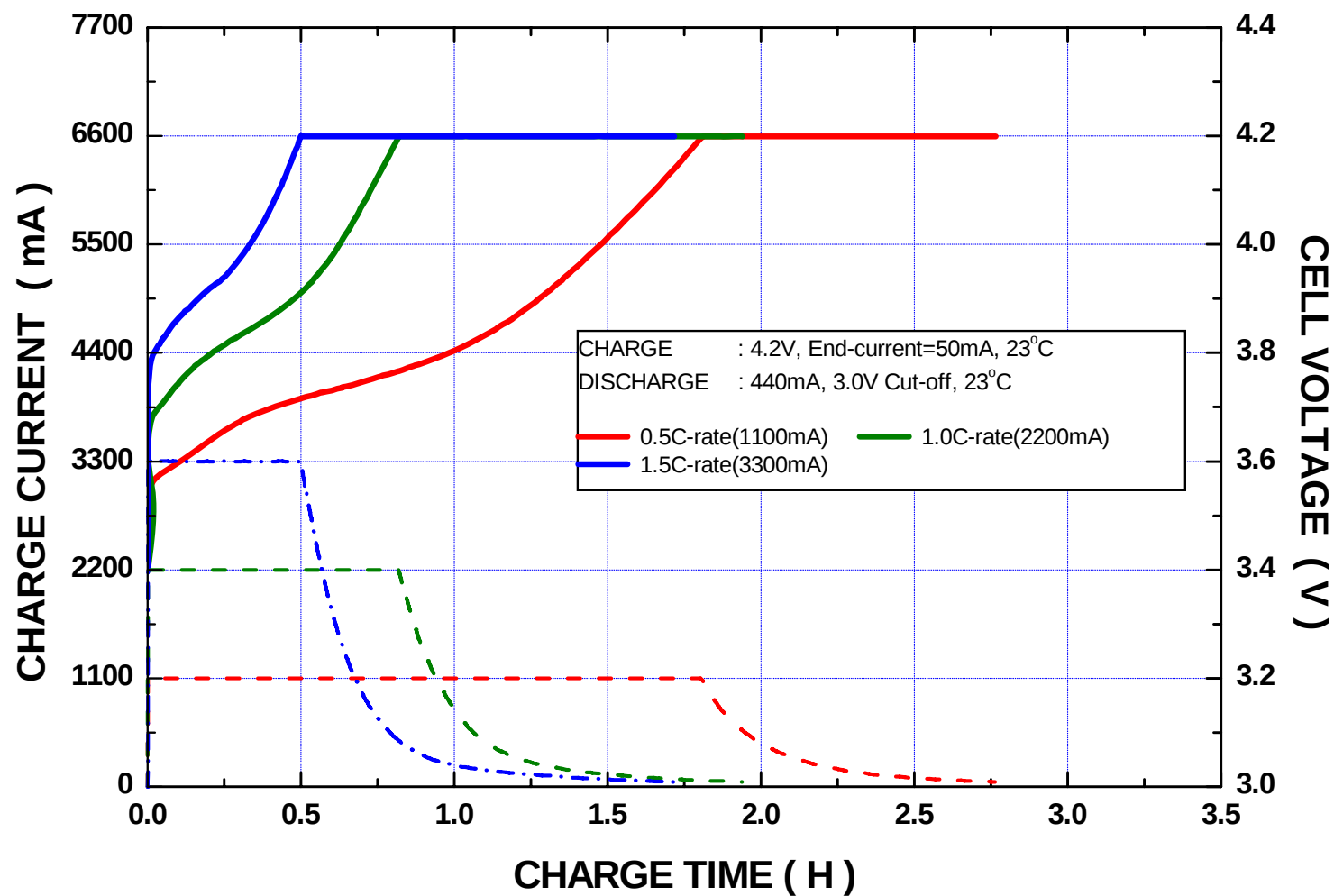
**Model ICR18650 S3**

0.2C Capacity *	Nominal	2200 mAh
	Minimum	2150 mAh
0.5C Capacity	Average	2210 mAh
Dimensions	Diameter	Max. 18.4 mm
	Height	Max. 65.1 mm
Weight (Typical)		43.5grams
Nominal Voltage		3.6V
Internal Impedance		≤ 80 mOhm
Cycle Performance **		$\geq 80\%$ of initial capacity at 300 cycles

* **Charge** : 1100mA, 4.2V, 50mA End-current (CC-CV)
Discharge : 440mAh, 3.0V cut-off

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





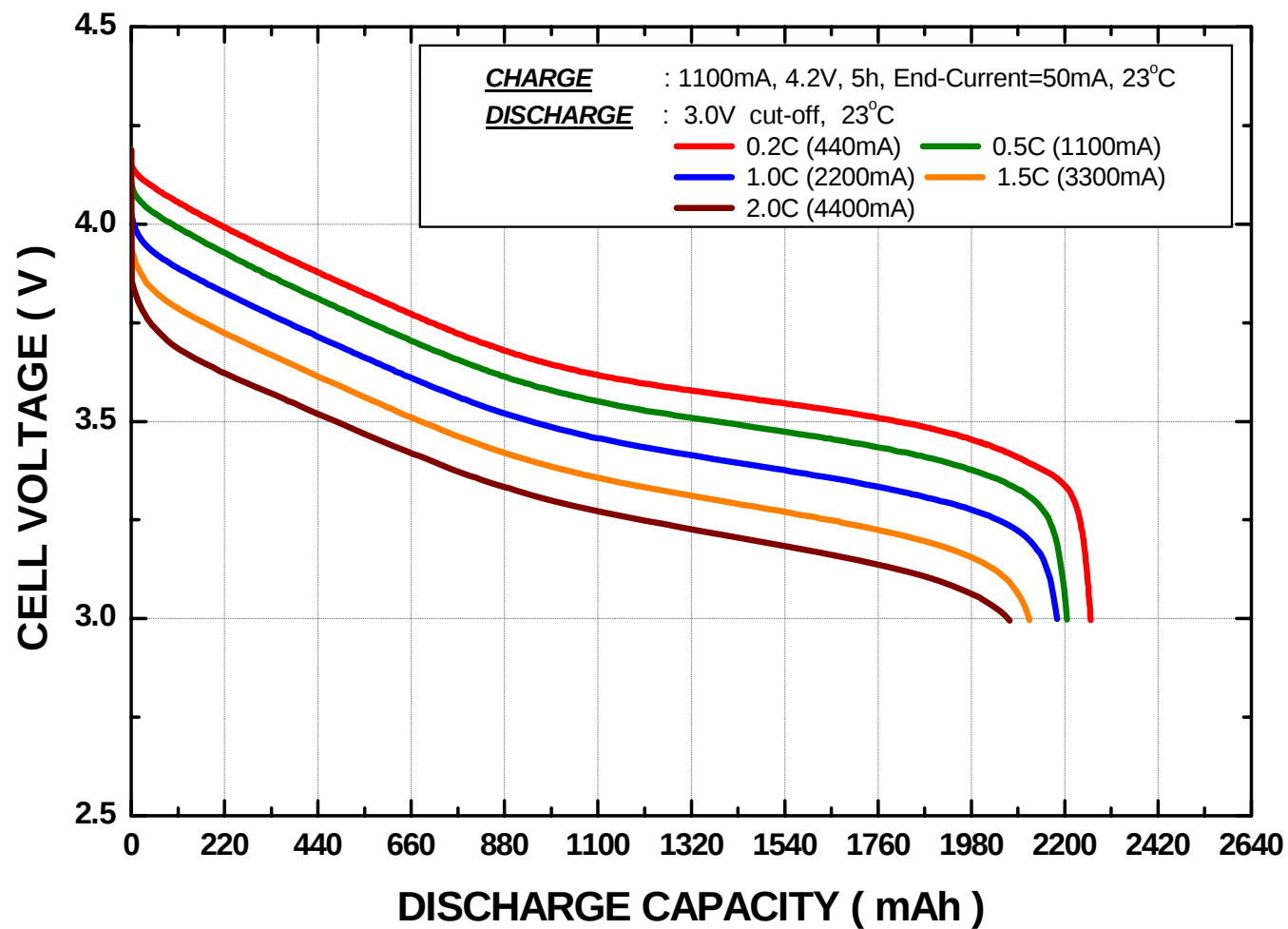
Discharge Characteristics

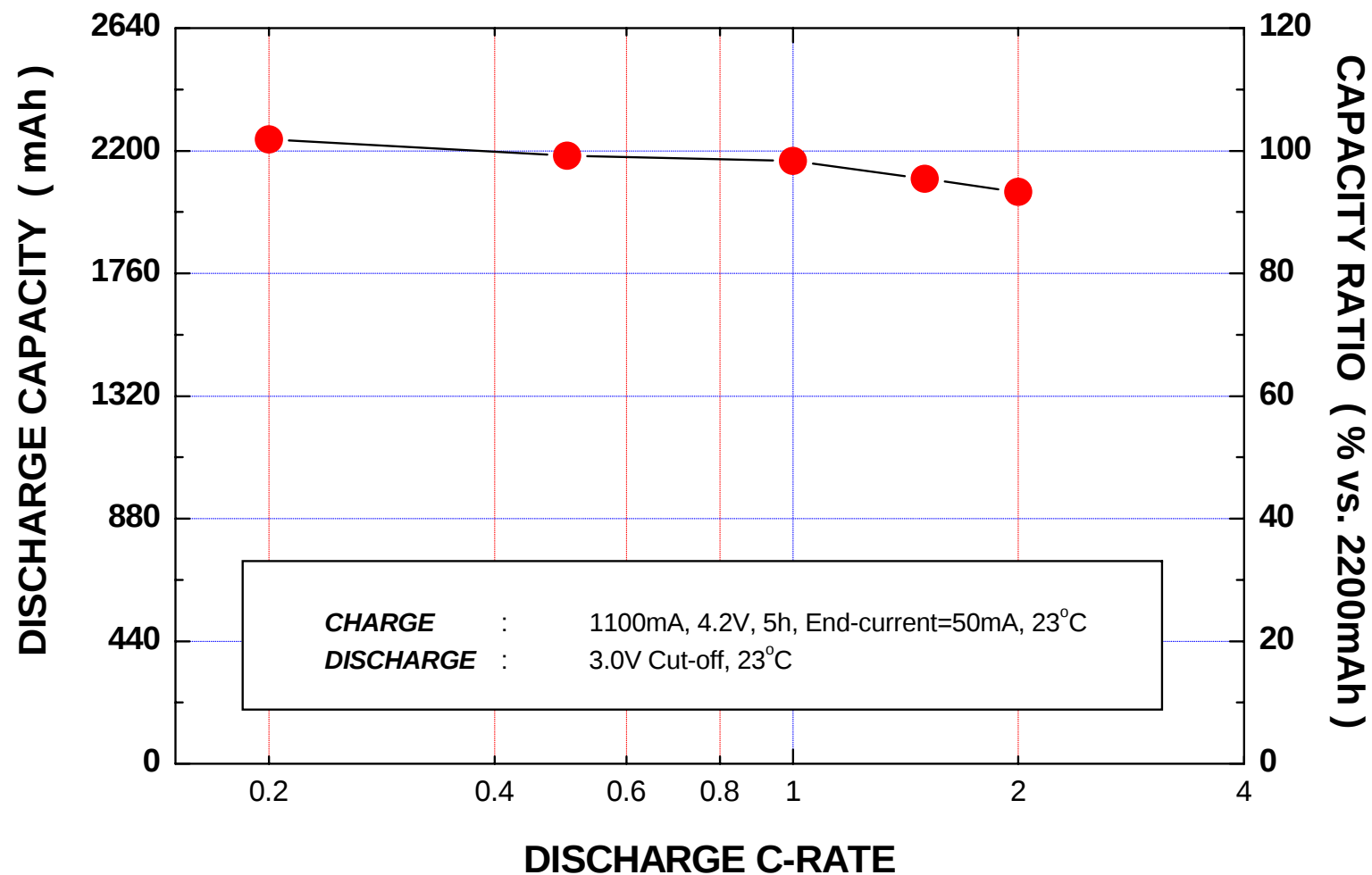
		0.2C	0.5C	1.0C	1.5C	2.0C
Capacity	mAh	2261	2205	2182	2117	2070
	%	100	97.5	96.5	93.6	91.6

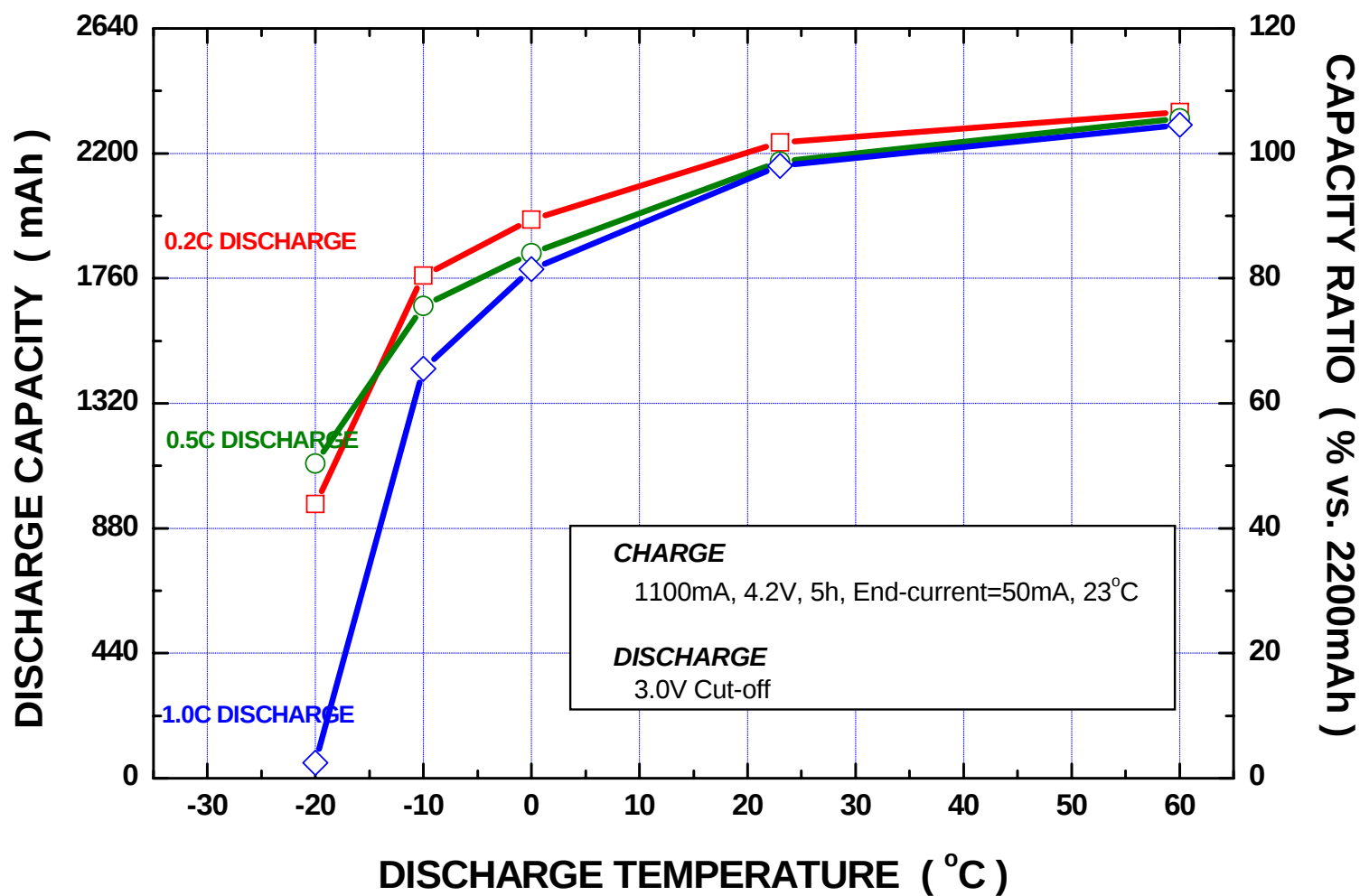
Discharge Temperature Characteristics

	Discharge Capacity					
	0.2C		0.5C		1.0C	
	mAh	%	mAh	%	mAh	%
-20°C	988	43.7	1141	50.5	79.5	3.5
-10°C	1792	79.3	1696	75.0	1466	64.8
0°C	1988	87.9	1882	83.2	1817	80.4
23°C	2261	100	2205	97.5	2182	96.5
60°C	2368	105	2357	104	2326	103

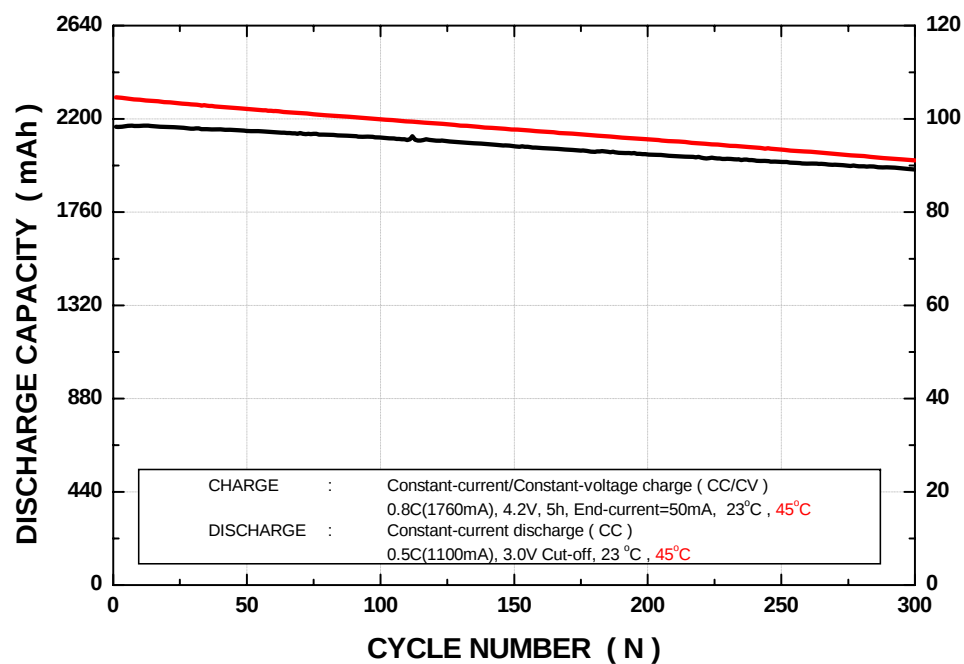
* All ratio's are calculated vs. 0.2C discharge capacity at 23°C.







vs. Capacity (mAh)



vs. Energy (Wh)

