

**CONFIDENTIAL  
TENTATIVE**

# **TECHNICAL INFORMATION of LGC ICR 18650A4 (TENTATIVE)**

## **Contents**

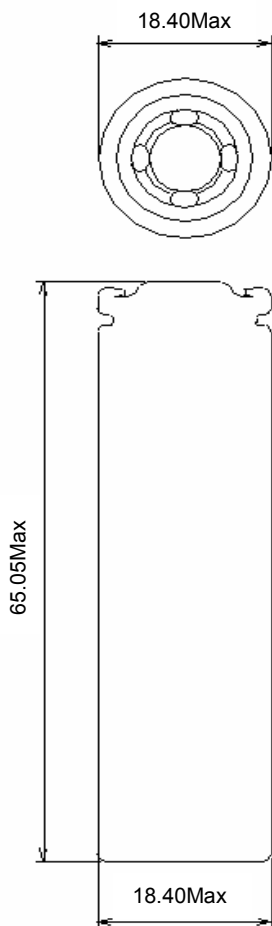
- 1. GENERAL INFORMATION**
- 2. DISCHARGE CHARACTERISTICS**
- 3. CYCLE LIFE**
- 4. SAFETY TEST RESULT**

**2007. 09. 19**



**LG Chem / Mobile Energy Company**



**Model ICR18650 A4**

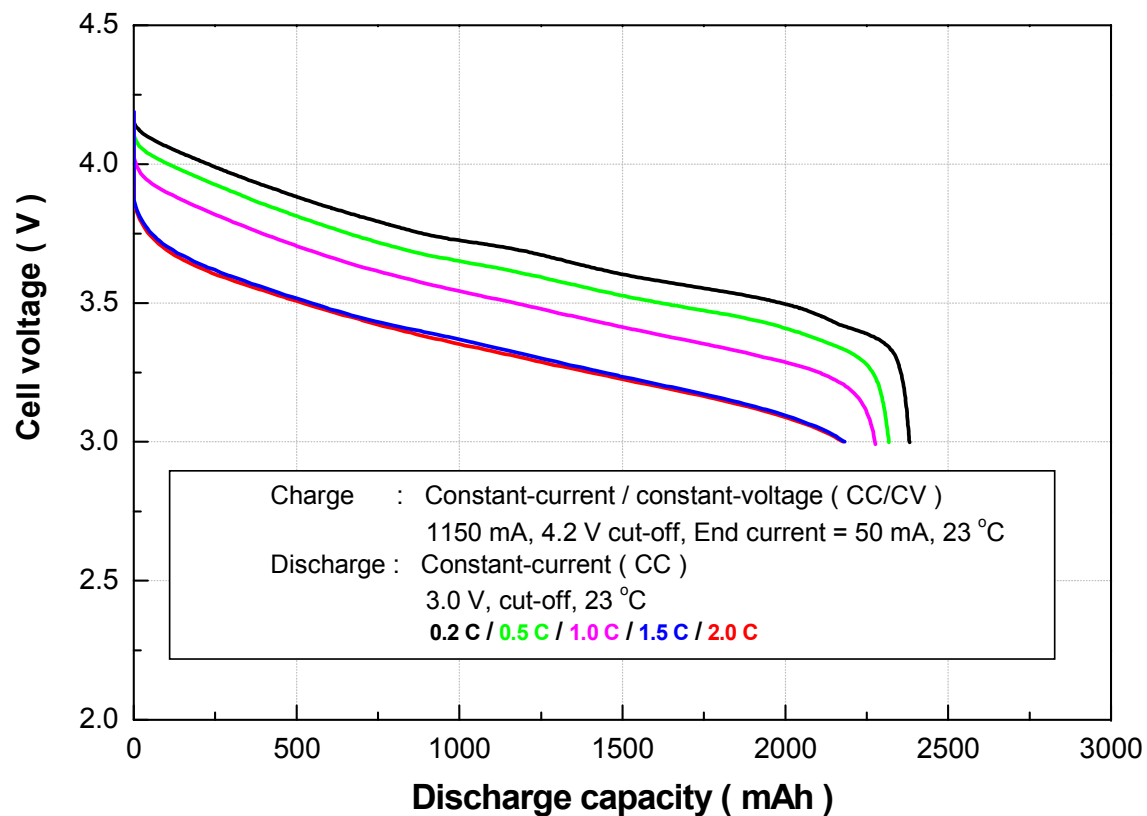
<b>0.2C Capacity *</b>	Nominal	2400 mAh
	Minimum	2300 mAh
<b>Dimensions</b>	Diameter	Max. 18.4 mm
	Height	Max. 65.05 mm
<b>Weight (Typical)</b>		Max. 48.0 grams
<b>Nominal Voltage</b>		3.6 V
<b>Internal Impedance</b>		≤ 80 mOhm

\* **Charge** : 1150mA, 4.20V, 50mA End-current (CC-CV)  
**Discharge** : 460mAh, 3.0V End-voltage (CC)



## 2 DISCHARGE CHARACTERISTICS (1)

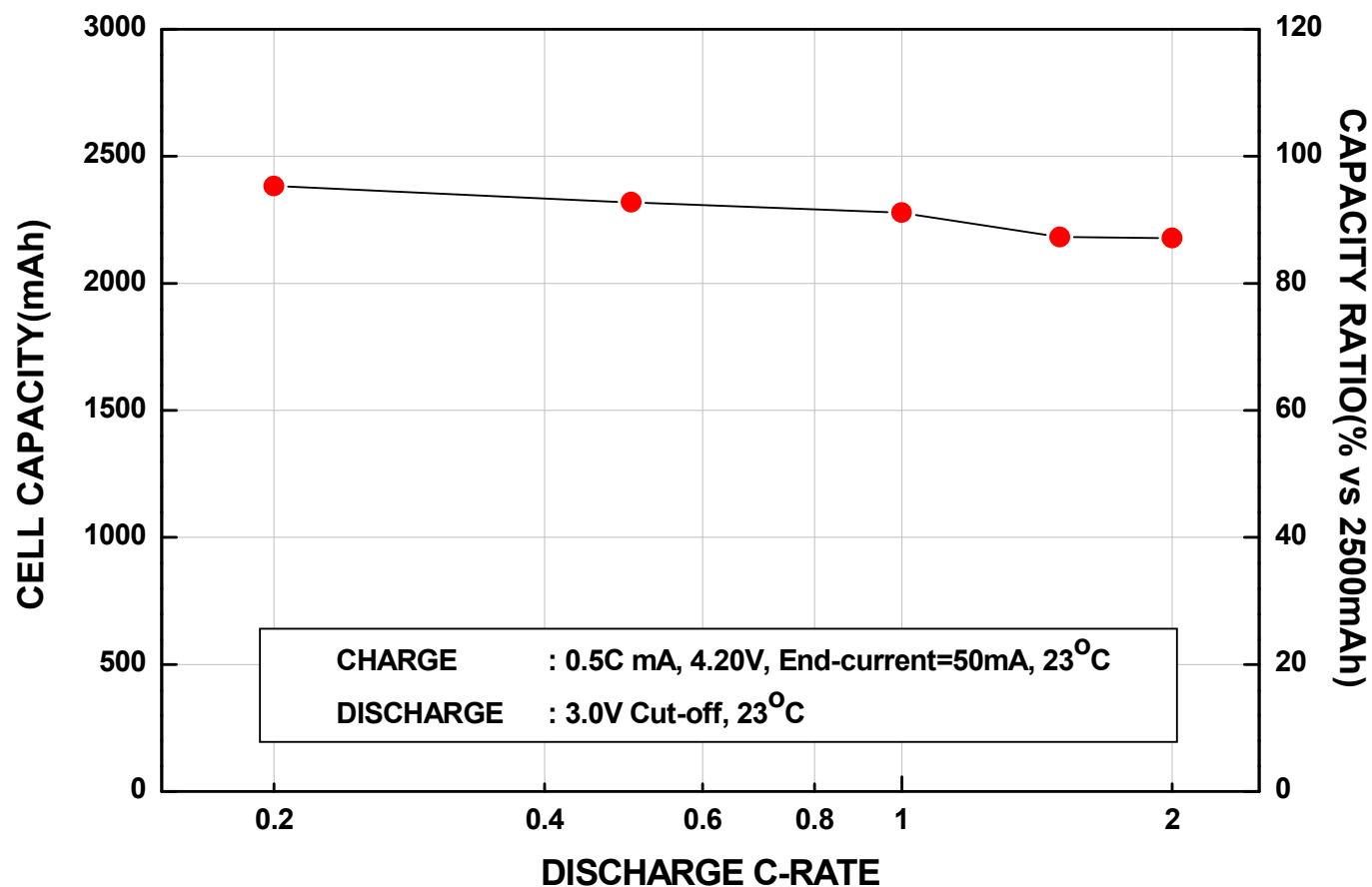
CONFIDENTIAL  
TENTATIVE

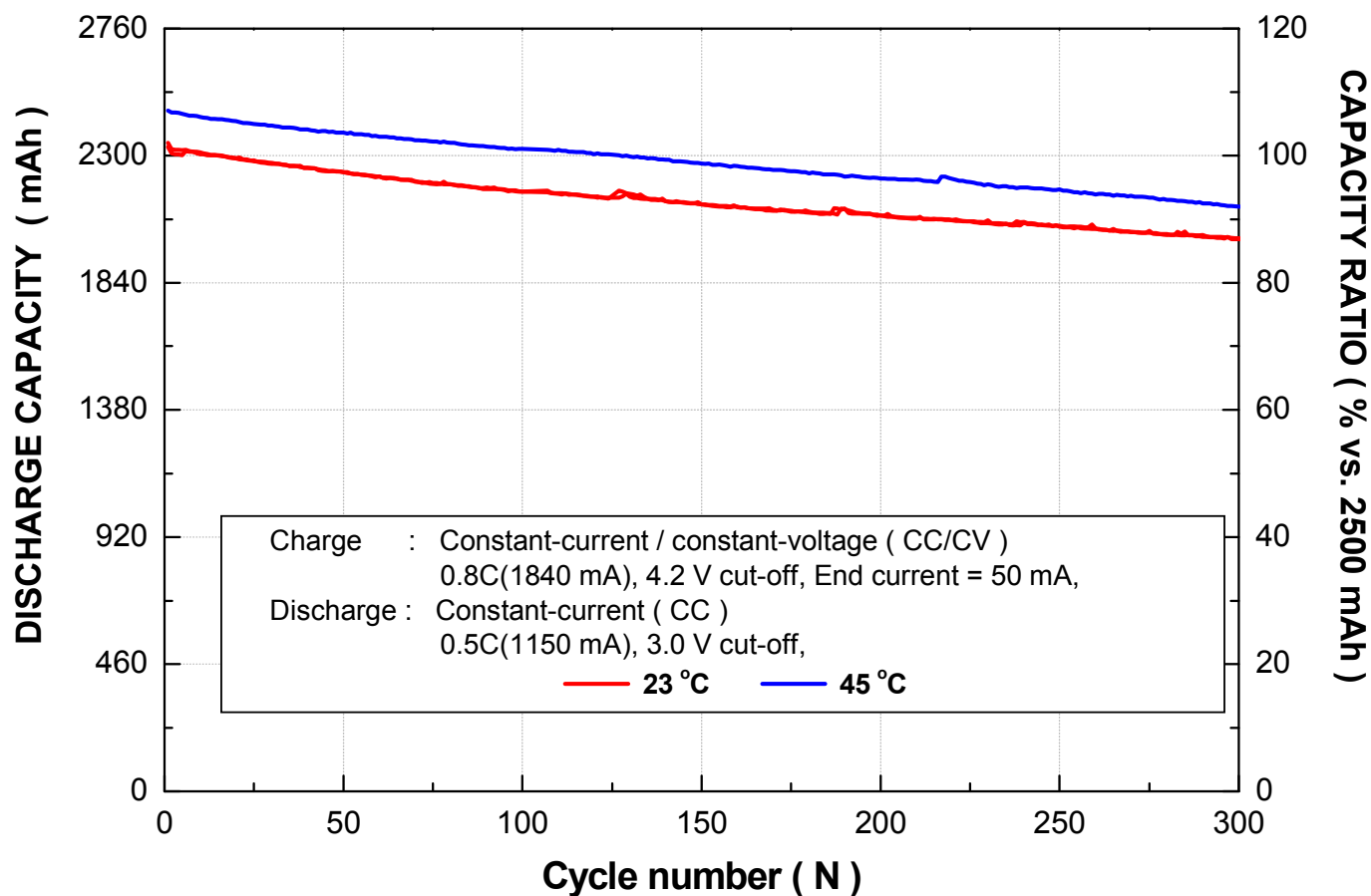


Discharge Rate	Capacity (mAh)	%
0.2 C	2381	100.0
0.5 C	2318	97.3
1.0 C	2278	95.6
1.5 C	2182	91.7
2.0 C	2177	91.4

- Charge (CC-CV): 1150 mA, 4.2V, 50mA End-current
- Discharge (CC): Each C-Rate, 3.0V End-voltage







ITEMS	TEST METHOD		Fail/ trial	RESULT
	CONDITION	CHARGE VOLTAGE		
IMPACT	UL 1642	4.20V	0/3	PASS
CRUSH	UL 1642	4.20V	0/3	PASS
HOT BOX	UL 1642	4.20V	0/3	PASS
OVERCHARGE	UL 1642	4.20 V -> 6V	0/3	PASS
EXTERNAL SHORT CIRCUIT	UL 1642	4.20V	0/3	PASS
THERMAL SHOCK	UN-DOT	4.20V	0/3	PASS

