

SIMPLIFIED SPECIFICATION

Rechargeable Lithium Ion Battery
Model : SPB653496H (2100mAh)

ENER1[®] KOREA. INC.

710-3, Yongtan-Dong , Chung-Ju , Chung-buk , Korea

TEL: 82-43-850-1950 FAX: 82-43-855-9175

www.ener1korea.com

Issued	Checked	Approved
<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> Electronic Approval </div>		

1. Scope

This specification defines the characteristics of a rechargeable lithium ion battery manufactured by **ENER1® KOREA. INC.**

2. Description and Model

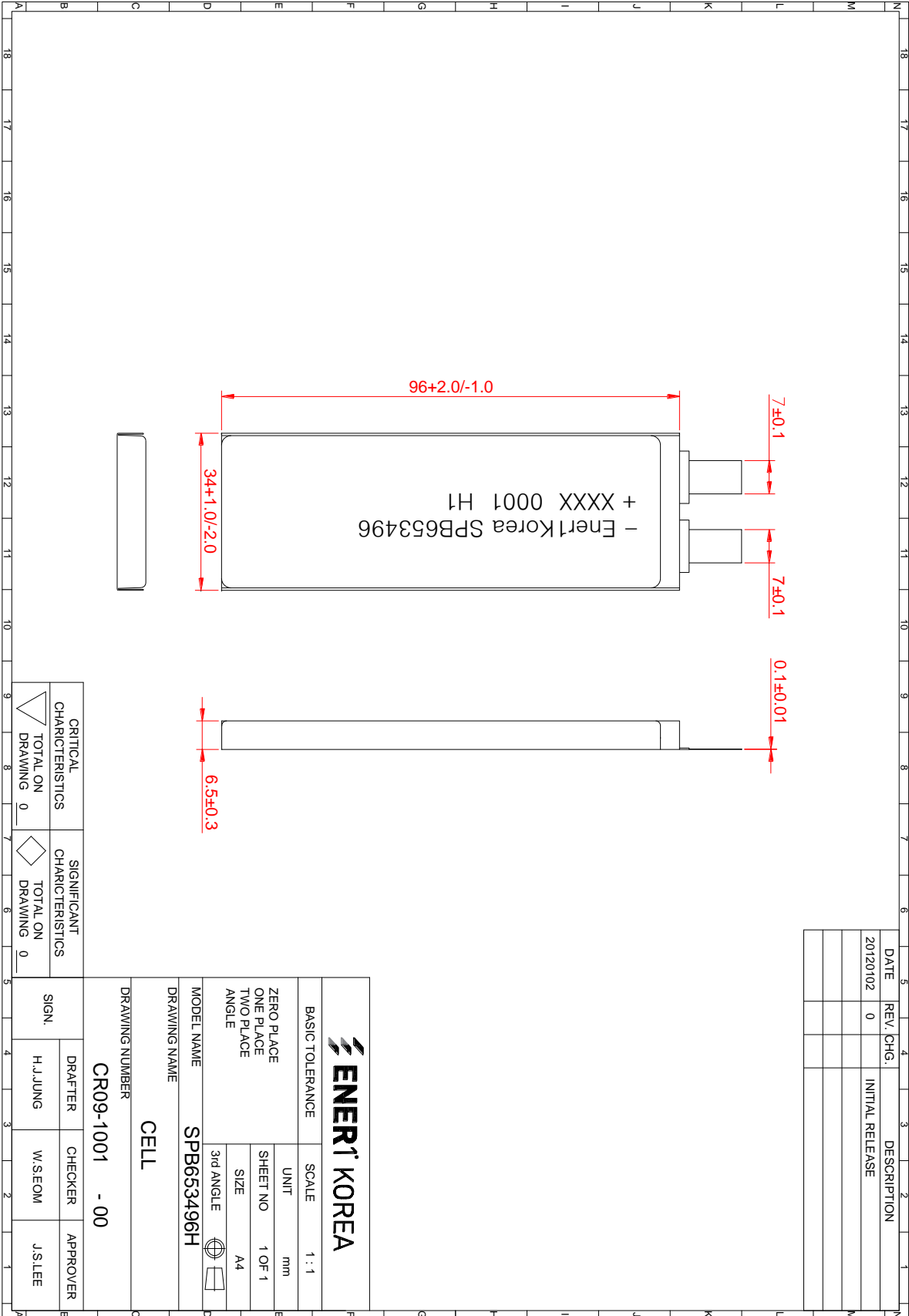
2.1 Description Cell (Rechargeable Lithium ion Battery)

2.2 Model SPB653496H

3. Nominal Specifications

Item		Specification
3.1 Nominal Capacity		2100 mAh(0.2C discharge)
3.2 Energy density	Volumetric	366Wh/L
	Gravimetric	173Wh/Kg
3.3 Nominal Voltage		3.7V
3.4 Operating Voltage Range		2.80V ~ 4.20V
3.5 Standard	Charge Current	1050mA (0.5C)
	Discharge Current	1050mA (0.5C)
3.6 Maximum	Charge Current	2.1A (1.0C)
	Discharge Current	37.8A (18.0C)
3.7 Operating Temperature	Charge	0℃ ~ 45℃
	Discharge	-20℃ ~ 60℃
3.8 Storage Temperature	0℃ ~ 25℃	≤ 1 Year
	0℃ ~ 40℃	≤ 3 Month
	-10℃ ~ 50℃	≤ 1 Month
3.9 Storage Humidity		45~85%RH
3.10 Cell size	Thickness	6.5 ± 0.3mm (Initial fully charged Cell)
	Width	34.0 +1.0/-2.0mm
	Length	96.0 +2.0/-1.0mm
3.11 AC Impedance		Max. 10mΩ
3.12 Weight		Max. 45.0 g

◆ **Out View drawing for SPB653496H**



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DATE	REV. CHG.	DESCRIPTION
20120102	0	INITIAL RELEASE

		BASIC TOLERANCE		SCALE 1 : 1							
ZERO PLACE		UNIT		mm							
ONE PLACE		SHEET NO		1 OF 1							
TWO PLACE		SIZE		A4							
ANGLE		3rd ANGLE									
MODEL NAME		SPB653496H									
DRAWING NAME		CELL									
DRAWING NUMBER		CR09-1001 - 00									
SIGN.		DRAFTER	CHECKER	APPROVER							
<table border="1"> <tr> <td>CRITICAL CHARACTERISTICS</td> <td>TOTAL ON DRAWING</td> <td>0</td> </tr> <tr> <td>SIGNIFICANT CHARACTERISTICS</td> <td>TOTAL ON DRAWING</td> <td>0</td> </tr> </table>		CRITICAL CHARACTERISTICS	TOTAL ON DRAWING	0	SIGNIFICANT CHARACTERISTICS	TOTAL ON DRAWING	0	H.J.JUNG	W.S.EOM	J.S.LEE	
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SIGNIFICANT CHARACTERISTICS	TOTAL ON DRAWING	0									