

	PRODUCT SPECIFICATION	Rev.	1.0
		Date	2012.04.02
SPB58253172 1S2P Element (Rechargeable Li-ion Polymer Battery Pack, 35Ah)		Page	Sheet 1 of 3

Specification for SPB58253172 1S2P Element

Rechargeable Li-ion Polymer Battery Pack
Model : T-cell Element, 3.7V, 35Ah

ENERTECH INTERNATIONAL, INC.

710-3, Yongtan-Dong , Chung-Ju , Chung-buk , Korea
TEL: 82-43-850-1840 / 82-2-3457-8650 FAX: 82-2-564-3566

www.enertechint.com

1. Descriptions

1.1 Description Rechargeable Lithium ion Polymer Battery Pack

1.2 Battery Cell Configuration 1S-2P

2. Electrical specification(@25 °C)

Item	Specification	Remarks
2.1 Capacity	35Ah	Nominal (by standard charge and discharge)
2.2 Voltage	3.7V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	4.1±0.05V	
2.5 Charging current	17.5Ah	Standard
	70Ah	Maximum
2.6 Charging current cut-off	< 1.75A	
2.7 Discharging current	17.5Ah	Standard
	105Ah	Maximum
2.8 Discharge cut-off voltage	2.5V	
2.9 Internal resistance	< 2mΩ	
2.10 Operating temperature	-20 to 55°C	Standard charge
	-20 to 55°C	Standard discharge
2.11 Storage temperature	-40 ~ 60°C	≤ 1 Month
2.12 Storage humidity	45 ~ 85 % RH	Not condensed

3. Safety specification

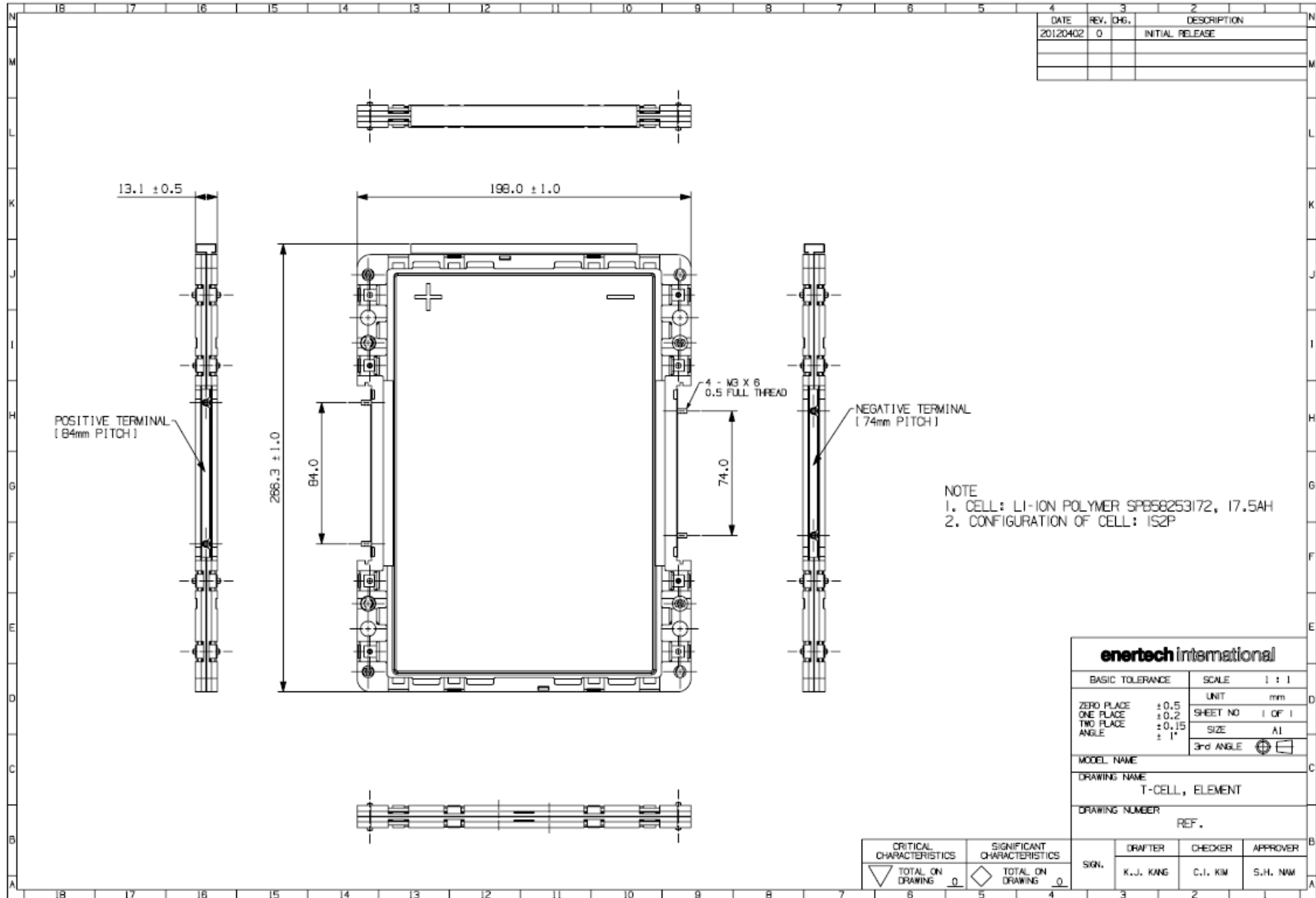
Item	Remarks	Specification
3.1 Over charge	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.2 Over discharge	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.3 Over current	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.4 Power dissipation	Operating	TBD
	Shut down	TBD

4. Physical specification

Item	Remarks	Specification
3.1 Dimension	L x W x H	266.3±1.0 x 198.0±1.0 x 13.1±0.5
3.2 Terminal (Output)		Cell Positive(+),Cell Negative(-)
3.3 Weight		< 1.1Kg

5. Certification : UN DOT(Cell)

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DATE	REV.	CHG.	DESCRIPTION
2012.04.02	0		INITIAL RELEASE

NOTE
1. CELL: LI-ION POLYMER SPB58253172, 17.5AH
2. CONFIGURATION OF CELL: 1S2P

enertech international			
BASIC TOLERANCE		SCALE 1 : 1	
ZERO PLACE	± 0.5	UNIT	mm
ONE PLACE	± 0.2	SHEET NO	1 OF 1
TWO PLACE	± 0.15	SIZE	A1
ANGLE	± 1'	3rd ANGLE	
MODEL NAME			
DRAWING NAME T-CELL, ELEMENT			
DRAWING NUMBER REF.			
SIGN.	DRAFTER	CHECKER	APPROVER
	K.J. KANG	C.I. KIM	S.H. NAM
CRITICAL CHARACTERISTICS TOTAL ON DRAWING 0		SIGNIFICANT CHARACTERISTICS TOTAL ON DRAWING 0	