

	PRODUCT SPECIFICATION	Rev.	1.0
		Date	2012.04.02
SPB58253172 24S2P Module (Rechargeable Li-ion Polymer Battery Pack, 35Ah)		Page	Sheet 1 of 3

Specification for SPB58253172 24S2P Module

Rechargeable Li-ion Polymer Battery Pack
Model : T-cell Module 24S2P, 88.8V, 35Ah

ENERTECH INTERNATIONAL, INC.

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1. Descriptions

1.1 Description Rechargeable Lithium ion Polymer Battery Pack

1.2 Battery Cell Configuration 24S-2P

2. Electrical specification(@25 °C)

Item	Specification	Remarks
2.1 Capacity	35Ah	Nominal (by standard charge and discharge)
2.2 Voltage	87.6V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	98.4±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	60V	
2.9 Internal resistance	< 60mΩ	
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

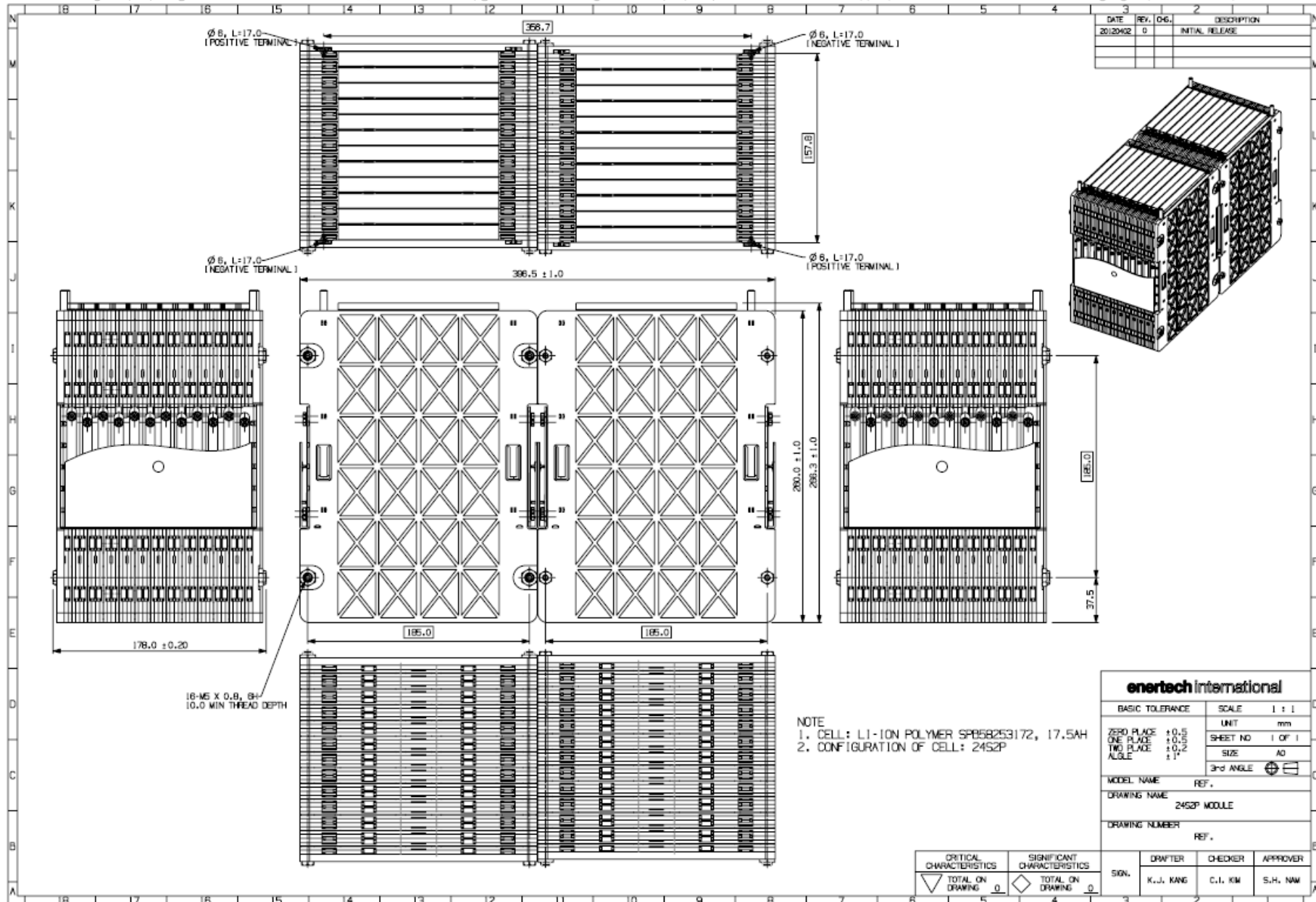
Item	Remarks	Specification
3.1 Over charge	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.2 Over discharge	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.3 Over current	Prohibition	TBD
	Release	TBD
	Delay time	TBD
3.4 Power dissipation	Operating	TBD
	Shut down	TBD

4. Physical specification

Item	Remarks	Specification
3.1 Dimension	L x W x H	266.3±1.0 x 396.5±1.0 x 178.0±0.2
3.2 Terminal (Output)		2 x Cell Positive(Ø6x17mm), 2 x Cell Negative(Ø6x17mm)
3.3 Weight		< 28Kg

5. Certification : UN DOT(Cell)

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DATE	REV.	CHG.	DESCRIPTION
20120402	0		INITIAL RELEASE

NOTE
 1. CELL: LI-ION POLYMER SPB58253172, 17.5AH
 2. CONFIGURATION OF CELL: 24S2P

enertech international											
BASIC TOLERANCE	SCALE 1 : 1										
ZERO PLACE ±0.5	UNIT mm										
ONE PLACE ±0.5	SHEET NO 1 OF 1										
TWO PLACE ±0.2	SIZE A0										
ALL ELSE 1.1	3rd ANGLE										
MODEL NAME	REF.										
DRAWING NAME	24S2P MODULE										
DRAWING NUMBER	REF.										
CRITICAL CHARACTERISTICS	SIGN.										
<table border="1"> <tr> <th>CRITICAL CHARACTERISTICS</th> <th>SIGNIFICANT CHARACTERISTICS</th> </tr> <tr> <td>▽ TOTAL ON DRAWING 0</td> <td>◇ TOTAL ON DRAWING 0</td> </tr> </table>	CRITICAL CHARACTERISTICS	SIGNIFICANT CHARACTERISTICS	▽ TOTAL ON DRAWING 0	◇ TOTAL ON DRAWING 0	<table border="1"> <tr> <th>DRAWER</th> <th>CHECKER</th> <th>APPROVER</th> </tr> <tr> <td>K.J. KANG</td> <td>C.I. KM</td> <td>S.H. NAM</td> </tr> </table>	DRAWER	CHECKER	APPROVER	K.J. KANG	C.I. KM	S.H. NAM
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