			Title		
			<b>Battery Pack Specification (Li18S)</b>		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	P100-5007	00
USER					
RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

# *Li18S Battery Pack Specification*


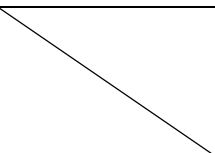
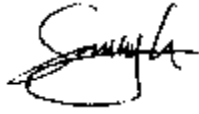
**Li18S, 7.26V, 5200mAh**

**Enertech International, Inc.**

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<b>Enertech International, Inc.</b>	<b>Issued</b> 	<b>Checked</b> 	<b>Approved</b> 

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Battery Pack Specification (Li18S)	A4	P100-5007	00
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## 1. Descriptions

1.1 Description Rechargeable Lithium ion battery pack

1.2 Battery Cell Configuration 2P-2S

## 2. Electrical specification (@25°C )

Item	Specification	Remarks
2.1 Capacity	5200mAh	Nominal (by standard charge and discharge)
	4900mAh	Minimum
2.2 Voltage	7.2V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	8.4±0.05V	
2.5 Charging current	2600mA	Standard
2.6 Charging current cut-off	< 260mA	
2.7 Discharging current	1040mA	Standard
	2600mA	Maximum
2.8 Discharge cut-off voltage	6.0V	
2.9 Internal resistance	< 300mΩ	
2.10 Operating temperature	0 to 40°C	Standard charge(Dumb charger)
	15 to 40°C	Standard charge(Smart charger)
	-20 to 55°C	Standard discharge
2.11 Storage temperature	0 ~ 25°C	≤ 1 Year
	0 ~ 45°C	≤ 3 Months
	0 ~ 60°C	≤ 1 Month
2.12 Storage humidity	20 ~ 85 % RH	Not condensed
2.13 Smart Module Communication	SMBus	Type
	V1.0	Revision

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### 3. Safety specification

Item		Specification
3.1 Over charge	Prohibition	4.35V±25 mV/Cell
	Release	4.15V±50 mV/Cell
	Delay time	<2.0sec
3.2 Over discharge	Prohibition	2.30V±80 mV/Cell
	Release	3.00V±100 mV/Cell
	Delay time	<2.0sec
3.3 Over current	Prohibition	7.5 ~ 9.5A (Depend on cell voltage)
	Release	by charging
3.4 Power dissipation	Operating	< 300uA
	Shut down	< 30uA

### 4. Physical specification

Item		Specification
4.1 Dimension	L × W × H	145.0±0.5 × 37.5±0.5 × 20.5±0.5
4.2 Terminal (Output)		Power(+),Clock(C),Data(D),Thermistor(T),Power(-)
4.3 Weight	g	< 210

### 5. Certification : UL (No. : E225922)

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## 6. Mechanical Drawings

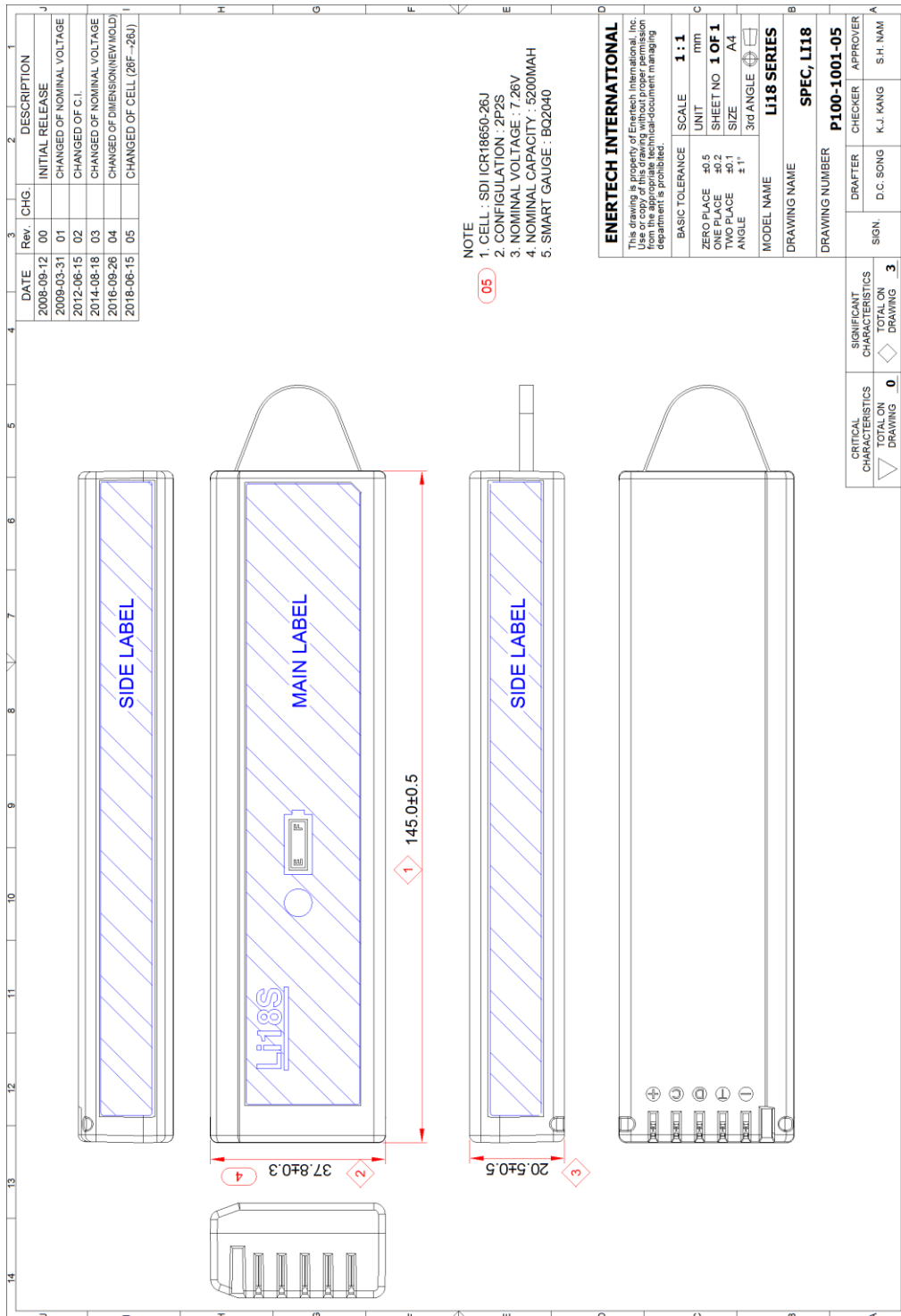


Figure 1 Pack Outline Drawing