

	PRODUCT SPECIFICATION	Rev.	1.0
		Date	2012.04.02
Li201SX (Rechargeable Li-ion Battery Pack 2P3S, 5200mAh)		Page	Sheet 1 of 3

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Battery Pack
Model : Li201SX (10.8V, 5200mAh)

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1. Descriptions

1.1 Description Rechargeable Lithium ion battery pack

1.2 Battery Cell Configuration 2P-3S

2. Electrical specification(@25 °C)

Item	Specification	Remarks
2.1 Capacity	5200mAh	Nominal (by standard charge and discharge)
	4900mAh	Minimum
2.2 Voltage	10.8V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	12.6±0.05V	
2.5 Charging current	2600mAh	Standard
2.6 Charging current cut-off	< 260mA	
2.7 Discharging current	1040mAh	Standard
	5200mAh	Less than 10min
2.8 Discharge cut-off voltage	9.0V	
2.9 Internal resistance	< 450mΩ	
2.10 Operating temperature	0 to 40°C	Standard charge
	-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
	V1.1	Revision

3. Safety specification

Item	Remarks	Specification
3.1 Over charge	Prohibition	4.35±0.15V/Cell
	Release	4.05±0.1V/Cell
	Delay time	<1.0 sec
3.2 Over discharge	Prohibition	2.40±0.08V/Cell
	Release	2.70±0.1V/Cell
	Delay time	<1.0sec
3.3 Over current	Prohibition	6.5 ~ 12.5A (Depend on cell voltage)
	Release	by charging
3.4 Power dissipation	Operating	< 300uA
	Shut down	< 30uA

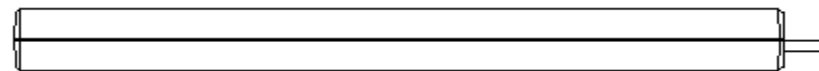
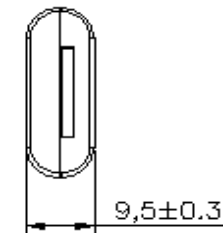
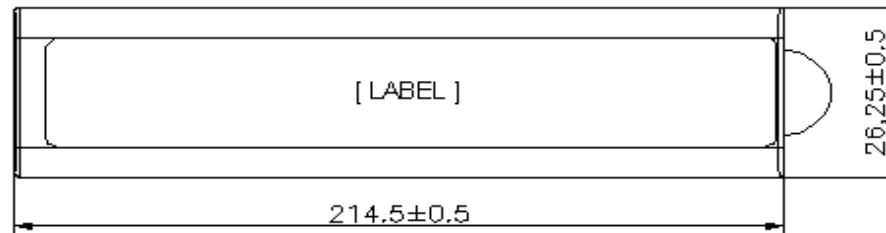
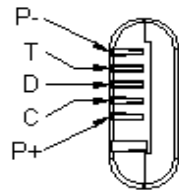
4. Physical specification

Item	Remarks	Specification
3.1 Dimension	L × W × H	214.5±0.5 × 52.5±0.5 × 19.0±0.3
3.2 Terminal (Output)		Power(+),Clock(C),Data(D),Thermistor(T),Power(-)
3.3 Weight		< 350g

5. Certification : UL (No. : E249420)

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DATE	REV.	CHG.	DESCRIPTION
20120402	0		INITIAL RELEASE



NOTE

1. Cell : ICR18650, 2600mAh
2. Configuration : 2P3S
3. Nominal Voltage : 10.8V
3. Nominal Capacity : 5200mAh

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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	A4
ANGLE ± 1'	3rd ANGLE	

MODEL NAME	LI201SX-5200
DRAWING NAME	HARDPACK SPEC'
DRAWING NUMBER	REF.

CRITICAL CHARACTERISTICS	SIGNIFICANT CHARACTERISTICS	SIGN.	DRAFTER	CHECKER	APPROVER
TOTAL DN DRAWING 0	TOTAL DN DRAWING 0		W.I. JI	C.I. KIM	S.H. NAM