

	PRODUCT SPECIFICATION	Rev.	1.0
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SPB58253172 12S2P Module (Rechargeable Li-ion Polymer Battery Pack, 35Ah)		Page	Sheet 1 of 3

Specification for SPB58253172 12S2P Module

Rechargeable Li-ion Polymer Battery Pack
Model : T-cell Module 12S2P, 44.4V, 35Ah

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1. Descriptions

1.1 Description Rechargeable Lithium ion Polymer Battery Pack

1.2 Battery Cell Configuration 12S-2P

2. Electrical specification(@25 °C)

Item	Specification	Remarks
2.1 Capacity	35Ah	Nominal (by standard charge and discharge)
2.2 Voltage	43.8V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	49.2±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	30V	
2.9 Internal resistance	< 30mΩ	
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 178.0±0.2
3.2 Terminal (Output)		Cell Positive(Ø6x17mm),Cell Negative(Ø6x17mm)
3.3 Weight		< 14Kg

5. Certification : UN DOT(Cell)

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