

Model: Power-Xtra PX503030 - 3.7V 450 mAh Li-Polymer Battery -with BMS-1.5A
Stock Code: 900.869.503.217

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.7±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	4.20±0.05V
Typ. Capacity	450 mAh	0.2C discharge
Standard Charging Current	100 mA (0.2C)	Constant current 0.2C end voltage 2.75V
Standard Discharging Current	90 mA (0.2C)	Constant current 0.2C end voltage 4.2V
Max. Continuous Charge Current	450 mA (1.0C)	
Max. Continuous Discharge Current	450 mA (1.0C)	
Temperature	Charge	0 to +45°C
	Discharge	-20 to +60°C
	Storage	Less than 1 year: -20~25°C less than 3 months: -20~40°C
Weight	11 g	approximately
Cycles Test	Higher than 70% of the Initial Capacities of the Cells Carry out 500cycle Charging/Discharging in the below condition. ♦Charge: Standard Charge ♦Discharge:0.5C to 2.75 V ♦Rest Time between charge /discharge:30min. ♦Temperature:20±5°C	

PCM PARAMETER PER BATTERY PACK

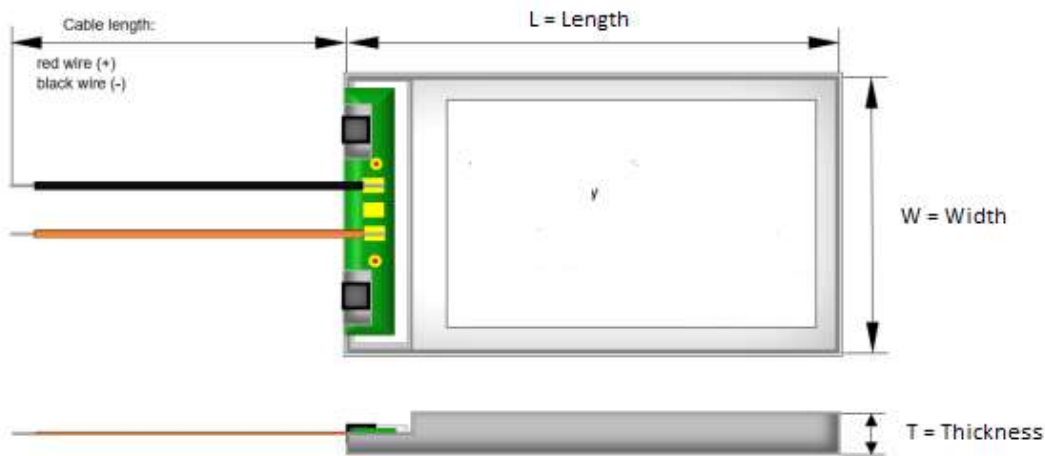
Item	Content	Criterion
Current	Maximum Charge / Discharge	1.5A
Over charge Protection	Overcharge Det. Voltage	4.28±0.05V
	Overcharge Rel. Voltage	4.10±0.05V
Over charge Protection	Overdischarge Det. Voltage	2.40±0.10V
	Overdischarge Rel. Voltage	3.00±0.1V

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Dimension Details

Item	Description	Dimension
T	Cell Tab Thickness	5.0± 0.5 mm
W	Cell Tab Width	30± 1 mm
L	Cell Tab Length	30± 1 mm
CL	Cable Length Length	100± 0.3 mm
P	Connector Model	-

Technical Drawing



Image

