

**Model:** Power-Xtra PX502030HT - 3.7V 250 mAh Li-Polymer Battery - BMS - Cable

**Stock Code:** 900.869.503.354

## TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.7±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	4.20±0.05V
Typ. Capacity	250 mAh	0.2C discharge
Standard Charge Current	125 mAh (0.5C)	Constant current 0.5C / end voltage 4.2V
Standard Discharging Current	50 mAh (0.2C)	Constant current 0.2C / end voltage 2.75V
Max. Discharge Current	250 mAh (1.5C)	1.0C
Temperature	Charge	<b>10 to +45°C</b>
	Discharge	<b>0 to +80°C</b>
	Storage	Less than 1 year: -20~25°C less than 3 months: -20~40°C
Weight	5 gr	approximately
Cycles Test	Higher than 80% of the Initial Capacities of the Cells Carry out 300cycle Charge: 0.2C CC-CV charge to 4.2 V, then current declines to 0.02C Discharge: 0.2C CC discharge to 2.75 V When the discharge capacity reduced to 80% of rated capacity, stop testing, and record the cycle times	

## Electrochemical Characteristics

0.2C discharging capacity	Discharging capacity is not less than normal capacity	After Standard Charging, rest 5 minutes, then 0.2C discharge to cut-off voltage
1.0C discharging capacity	Discharging capacity is not less than 90% of normal capacity	After Standard Charging, rest 5 minutes, then 1.0C discharge to cut-off voltage
Self-discharge	Discharging capacity is not less than 85% of initial capacity	After Standard Charging, rest the cell for 28 days in the condition of 20±5°C, then 0.2C discharge to cutoff voltage, and record the capacity

**Model:** Power-Xtra PX502030HT - 3.7V 250 mAh Li-Polymer Battery - BMS - Cable

**Stock Code:** 900.869.503.354

## PCM PARAMETER PER BATTERY PACK

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

## Dimension Details

Item	Description	Dimension
T	Cell Tab Thickness	5.2± 2 mm
W	Cell Tab Width	20.3± 2 mm
L	Cell Tab Length	32.5± 2 mm
CL	Cable Length Length	50± 0.3 mm
P	Connector Model	Do not have

## Technical Drawing

