

Model: PX523040 - 3.7V 590 mAh Battery – BMS

Stock Code: 900.869.503.040

Item	Specifications		Conditions
Rated Capacity	Nominal	590mAh	Standard Charge : 0.2C
	Minimum	590mAh	Standard Discharge : 0.2C
Nominal Voltage	3.7V		
Voltage at the end of Discharge	3.0V		Discharge Cut-off Voltage
Charging Voltage	4.2V		
Internal Impedance	≤160mΩ		AAC 1KHZ after 50% charge
Standard Discharging Current	118 mAh (0.2C)		Constant current 0.2C end voltage 2.75V
Max. Discharge Current	590 mAh (1.0)		
Weight	12g		approximately
Operation Temperature Range	Charge: 0~45℃		60±25%R.H.
	Discharge: -20~60℃		
Storage Temperature Range	Less than 1 year: -20~25℃		60±25%R.H.
	Less than 3 months: -20~40℃		
Cycle Life	500 Times		Charge with the constant current of 0.5C and constant voltage of 4.2V, cut off at 0.02C, and rest for 10min; discharge with 0.5C and cut off at 2.75V, and rest for 20min. Repeat cycling till discharge capacity in 2 successive cycles is lower than 80% of the initial capacity

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Item	Specifications	Representative Image
Thickness	5.4mm±2mm	The image shows a top-down and side view of the battery. The top-down view is a rectangle with a yellow tab on the left. Dimension lines indicate 'Cable length' for the tab, 'Length (max.)' for the main body, and 'Width (max.)' for the main body. The side view shows the 'Thickness (max.)' of the battery pack.
Width	30.0mm±2mm	
Length	42.0mm±2mm	
Cable Length	100±0.3mm	