

**Model:** PX502245 - 3.7V 600 mAh - BMS

**Stock Code:** 900.869.503.453

Item	Specifications		Conditions
Rated Capacity	Nominal	630mAh	Standard Charge : 0.2C
	Minimum	600mAh	Standard Discharge : 0.2C
Nominal Voltage	3.7V		
Initial Voltage	≥3.8V		
Internal Impedance	≤100mΩ		AAC 1KHZ after 50% charge
Limited Charge Voltage	4.2 V		Voltage of CC charge to CV charge
Standard Charging Current	120mA (0.2C)		CC charge to 4.2 V, then CV charge till current declines to less than 0.01C
Standard Charging Time	6~7 hours		
Rapid (Max) Charging Current	600 mA (1C)		
Rapid Charging Time	2 hours		
Standard Discharging Current	120mA (0.2C)		CC discharge to 2.75 V
Max. Discharging Current	600 mA (1C)		
Operating Temperature Range	Charging: 10 ~ 45°C		60±25%R.H.
	Discharging: -20 ~ 60°C		
Storage Temperature Range	Less than 1 year: -20~25°C		
	Less than 3 months: -20~40°C		
Cycle Life	<b>500 Times</b>		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	5.1mm max.	<p>The image shows a top-down and side view of the pouch cell. The top-down view is a rectangle with a yellow tab on the left side. Dimension lines indicate: 'Cable length' for the distance from the left edge to the start of the yellow tab; 'Length (max.)' for the total length of the cell; 'Width (max.)' for the height of the cell; and 'Thickness (max.)' for the height of the cell's profile. The side view shows the yellow tab and the main body of the cell, with 'Thickness (max.)' indicating the height of the main body.</p>
Width	22mm max.	
Length	47.5mm max.	
Cable Length	100±3mm	