## Lithium ion Polymer (LP) Battery Individual Data Sheets

<u>LP-431730</u> have a combination of high energy density, super light and ultra thin. It's a perfect power source solution for low power consumption device (such as wireless headset, wireless mouse etc.).

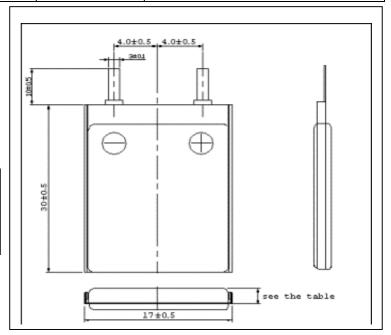
## **Specifications**

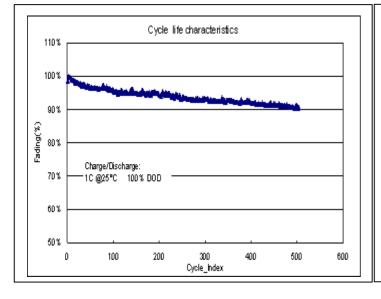
Nominal voltage		3.7V	Cut-off voltage		3.0V
Standard charge method		Charging the cell initially with constant current at 0.5C and then with constant voltage at 4.2V till charge current <0.1C			
Max. charge current		1C	Max. discharge current		1C
Standard charge		0.5C×5hrs	Rapid charge		1C ×2.5hrs
Operating temperature			${\mathbb C}$		°F
		Charging	0°C ~45°C		32°F ~ 113°F
		Discharging	-20℃ ~60℃		-4°F ~ 140°F
		Storage	-20°C ~45°C		-4°F ~ 113°F
Cycle Life	≥500 Cycles	s (@ <b>0.2</b> C discharge, 23°C)	Self-discharge	Residual capacity>90% (@25 $^{\circ}$ C $\pm 2$ $^{\circ}$ C, 30 days)	

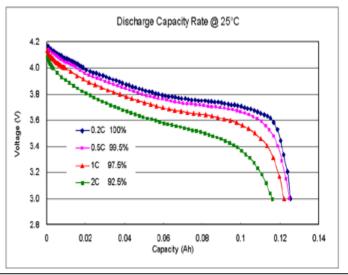
## Remark:

## **Cell Dimension**

	mm	inch
Length	$30.0 \pm 0.5$	$1.18 \pm 0.02$
Width	$17.0 \pm 0.5$	$0.67 \pm 0.02$
Thickness	Max. 4.50	Max. 0.18







 $<sup>^{*1}</sup>$  @ 0.2C discharge, 23°C

<sup>\*2</sup> Impedance is measured at AC 1KHz after Standard Charge.

<sup>\*3</sup> Cell weight is the approximate value for reference.