

# Lithium ion Polymer (LP) Battery Individual Data Sheets

**LP-382648** have a combination of high energy density, super light and ultra thin. It's a perfect power source solution for camcorder, mobile phone, small PDAs and other handheld device.

## 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 $<0.05C$		
Max. charge current	1C	Max. discharge current	1.5C
Standard charge	0.5C $\times$ 5hrs	Rapid charge	1C $\times$ 2.5hrs
Operating temperature		$^{\circ}C$	$^{\circ}F$
	Charging	0 $^{\circ}C$ ~ 45 $^{\circ}C$	32 $^{\circ}F$ ~ 113 $^{\circ}F$
	Discharging	-20 $^{\circ}C$ ~ 60 $^{\circ}C$	-4 $^{\circ}F$ ~ 140 $^{\circ}F$
	Storage	-20 $^{\circ}C$ ~ 45 $^{\circ}C$	-4 $^{\circ}F$ ~ 113 $^{\circ}F$
Cycle Life	$\geq 500$ Cycles (@0.5C discharge, 23 $^{\circ}C$ )	Self-discharge	Residual capacity $>90\%$ (@25 $^{\circ}C \pm 2^{\circ}C$ , 30 days)

### Remark:

\*1 @ 0.2C discharge, 23 $^{\circ}C$

\*2 Impedance is measured at AC 1KHz after Standard Charge.

\*3 Cell weight is the approximate value for reference.

### Cell Dimension

	mm	inch
Length	47.5 $\pm$ 0.5	1.87 $\pm$ 0.02
Width	25.5 $\pm$ 0.5	1.00 $\pm$ 0.02
Thickness	Max. 3.90	Max. 0.15

