

Lithium ion Polymer (LP) Battery Individual Data Sheets

LP-582648 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	≥ 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. 6.00	Max. 0.24

