

Lithium ion Polymer (LP) Battery Individual Data Sheets

[LP-50801 22](#) have a combination of high energy density, super light and ultra thin. It's a perfect power source solution for PDAs, Web pad and Notebook computer.

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		°C	°F
	Charging	0°C ~ 45°C	32°F ~ 113°F
	Discharging	-20°C ~ 60°C	-4°F ~ 140°F
	Storage	-20°C ~ 45°C	-4°F ~ 113°F
Cycle Life	≥ 500 Cycles (@0.5C discharge, 23°C)	Self-discharge	Residual capacity $>90\%$ (@25°C \pm 2°C, 30 days)

Remark:

*1 @ 0.2C discharge, 23°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	122 \pm 1	4.80 \pm 0.04
Width	80 \pm 1	3.15 \pm 0.04
Thickness	Max. 5.20	Max. 0.20

