Lithium Polymer (Li-Po) Battery Data-sheet

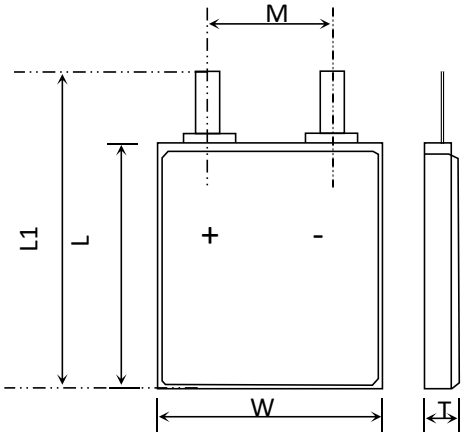
Features of Li-Po Battery

- Best 3.7V Li-Po Battery
- Long Cycle Life
- Light Weight
- More Safety

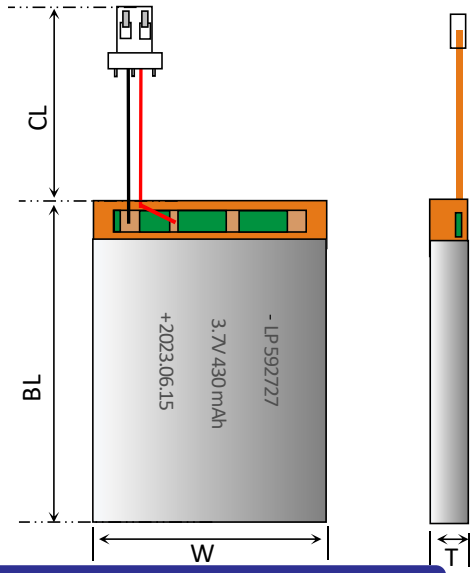
Environmental and Safety

Please follow Li-Po Handling and Safety Precautions. This battery meets the requirements of Battery Directives, and the battery parts are IEC62133 and ROHS - Compliant. For more safety precautions and performance standards, please go to https://www.fpbattery.com

Li-Polymer Battery Dimension



Item	Parameter (mm)
T	5.9
W	27
M	10
L	27
L_1	29
BL	29 ± 1
CL	100



Specification

Electrical Data	Part Number	LP592727
	Nominal Voltage	3.7V
	Nominal Capacity	430 mAh
	Internal Impedance	< 60mΩ
	Charge Voltage	4.2V
	Recommended Charge Current	86mA/0.2C
	Allowed Max Charge Current	215mA/0.5C
	Output Voltage Range	4.2 - 2.5V
	Recommend Discharge Current	86mA/0.2C
	Max Continuous Discharge Current	430mA/1C
	Pulse Discharge Current	1290mA/3C
	Discharge Cut-off Voltage	2.5 ± 0.05V
	Cycle Life to 80% Health	500(0.2C, 25℃)
Environmental Data	Charging Temperature Range	0 - 45℃
	Discharging Temperature Range	20 - 60℃
	Storage Period 1 Week	-20 - 45℃
	Storage Period 1 Month	-10 - 45℃
	Storage Period 6 Months	0 - 35℃
Battery Protection	Over Charge	4.275 ± 50mV
	Over Discharge	2.5 ± 50mV
	Over Current	3A - 5A
	Short Circuit	Yes
Mechanical Data	Dimension	29×27×5.9 mm
	Weight	≤10 g
	Battery Terminals	WC/FL*

*WC=With Connector FL=Flying Leads

Specifications are subject to change without notice