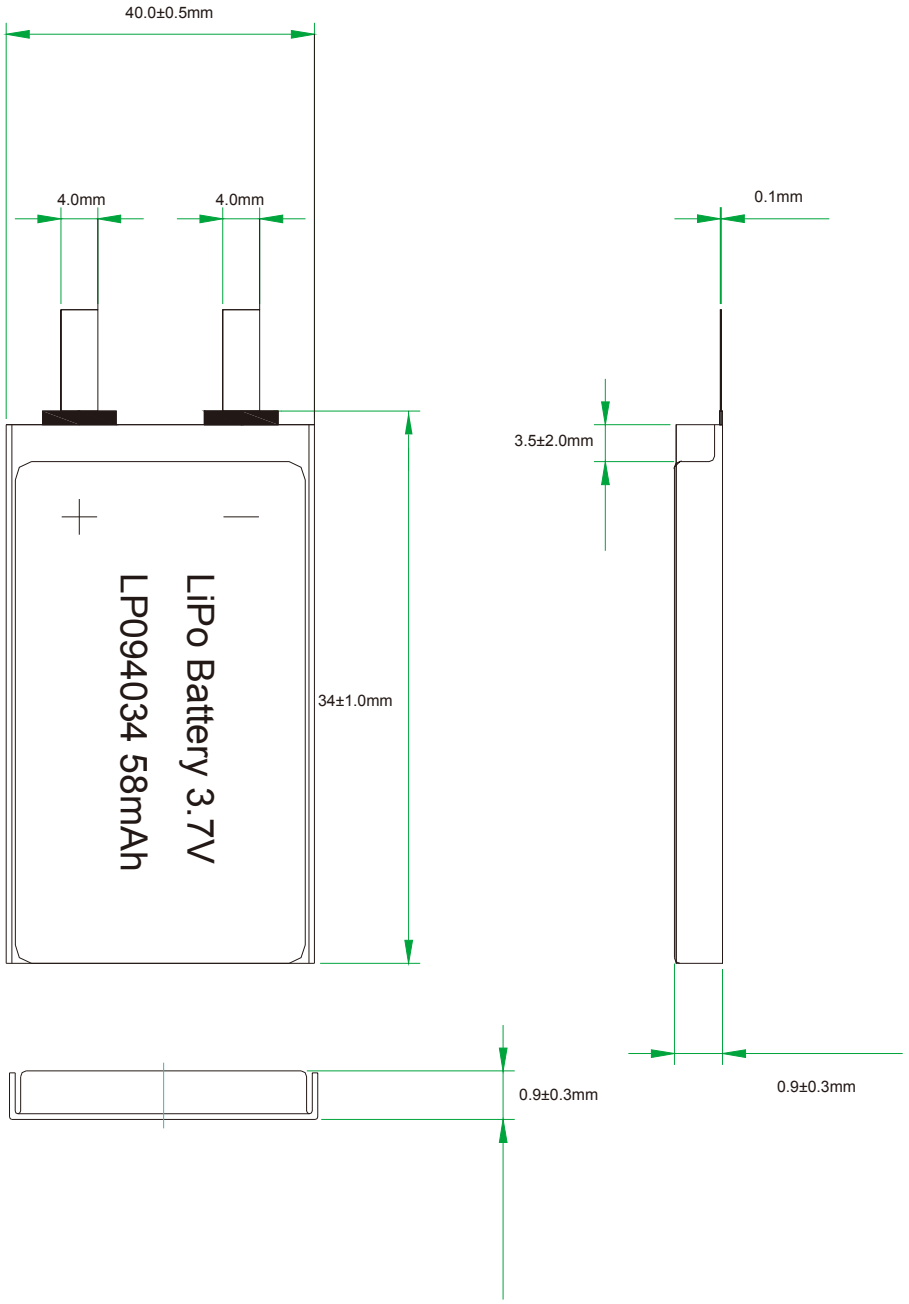

Specification

Lithium Polymer Battery Pack LP094034 58mAh 3.7V without Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics

Cell	► LP094034
PCM	► No
NTC	► No
Configuration	► 1S1P
Weight	► appr. 1.1g

Electrical Specification

Rated Capacity	► 58mAh min, 58mAh typ.
Nominal Voltage	► 3.7V
Wat-Hour Rating	► 0.21Wh
Max. Operating Voltage Range	► 2.75V to 4.20V
Max. Charge Voltage	► 4.2V ±50mV
Max. Charge Current	► 29mA
Standard Charge Current	► 11mA
Max. Discharge Current	► 58mA
Standard Discharge Current	► 29mA
Discharge Cut Off	► 2.75V
Internal Impedance	► <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	► 500 cycles ≥ 80%

Cell Protection

Overcharge Detection	► 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.075V ±50mV)
Overdischarge Detection	► 2.75V ±50mV (14 to 26msec. delay, resume 3.05V ±50mV)
Overcurrent Detection	► 2A to 2.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	► +10°C to +45°C
Discharge Temp. Range	► -20°C to +60°C
Storage Temp. Range	► 1 year at -20°C to +30°C >70% ► 3 moths at -20°C to +45°C >70% ► 1 month at -20°C to +60°C >70%

Environmental and Safety

Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery. This battery meets the requirements of Battery Directives, and the battery parts are IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Index	Alteration	Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable	Material
Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten. Proprietary data, company confidential, all rights reserved.	up to 6 ` 0, 1 over 6 up to 30 ` 0, 2 over 30 up to 100 ` 0, 3 over 100 ` 0, 5	Erst. / Orig. 11.01.2022 Xie Qingfang Bearb. / Desig. Gepr. / Check. 11.01.2022 Guo Daxia	LiPol Battery
		Benennung/ Designation: LP094034 Origin:	Zchng. / Dwg. Nr.: 1 FD_3451_10 Index www.LiPolBattery.com support@lipolbattery.com