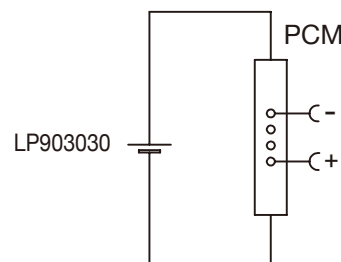


Circuit Diagram



Specification

Lithium Polymer Battery Pack LP903030 650mAh 3.7V with 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	▶ LP903030
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 13g

Electrical Specification

Rated Capacity	▶ 650mAh min, 655mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 2.405Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 375mA
Standard Charge Current	▶ 130mA
Max. Continuous Discharge Current	▶ 650mA
Standard Discharge Current	▶ 375mA
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 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 1.5A to 4.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	▶ 0 to +45°C
Discharge Temp. Range	▶ -20 to +60°C
Storage Temp. Range	▶ 1 year at -20 to +30°C >70%
	▶ 3 months at -20 to +45°C >70%
	▶ 1 month at -20 to +60°C >70%
Humidity	▶ 65 ±20%RH

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

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date 30.06.2021	Name Xie Qingfang	LiPol Battery
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst. / Orig 30.06.2021	Gepr./check Guo Daxia	
Proprietary data, company confidential, all rights reserved.	over 30 · 0,3 up to 100 · 0,5 over 100 · 0,5	Benennung/ Designation LP903030		Zchg. / Dwg. Nr. 3 FD_3030_90
		Origin: support@lipolbattery.com		Index www.LiPolBattery.com