

Specification

Lithium Polymer Battery Pack LP702030 3.7V 400mAh 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	▶ LP702030
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 8.0g
Connector	▶ JST PHR-2 (A)

Electrical Specification

Rated Capacity	▶ 400mAh min, 410mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 1.48Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ± 50mV
Max. Charge Current	▶ 200mA
Standard Charge Current	▶ 80mA
Max. Continuous Discharge Current	▶ 400mA
Standard Discharge Current	▶ 200mA
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	▶ 2.0A to 2.5A (8 to 16msec. delay)

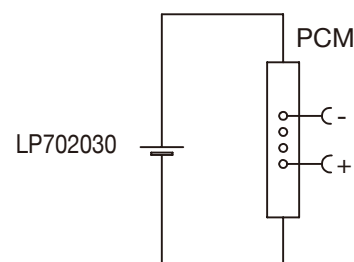
Ambient Conditions

Charge Temp. Range	▶ +10°C 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Circuit diagram



Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date 01.06.2018	Name Xie Qingfang	LiPol Battery	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 up to 30 over 6 up to 30 over 30 up to 100 over 100	Erst. / Orig 01.06.2018	Gepr./Check 01.06.2018		
Proprietary data, company confidential, all rights reserved.	0.1 0.2 0.3 0.5	Benennung/ Designation LP702030		Zchng. / Dwg. Nr. 3 FD_1241_10	Index
		Origin:		support@lipolbattery.com	www.LiPolBattery.com