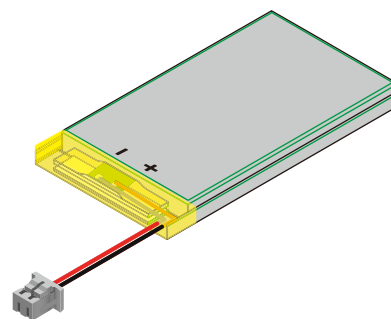
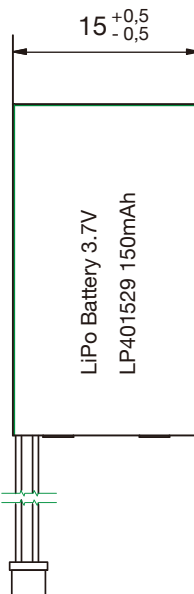
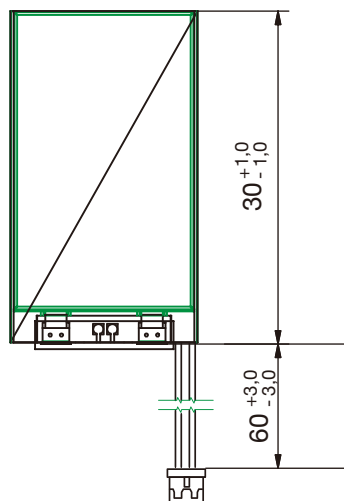
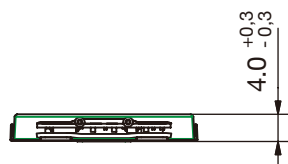
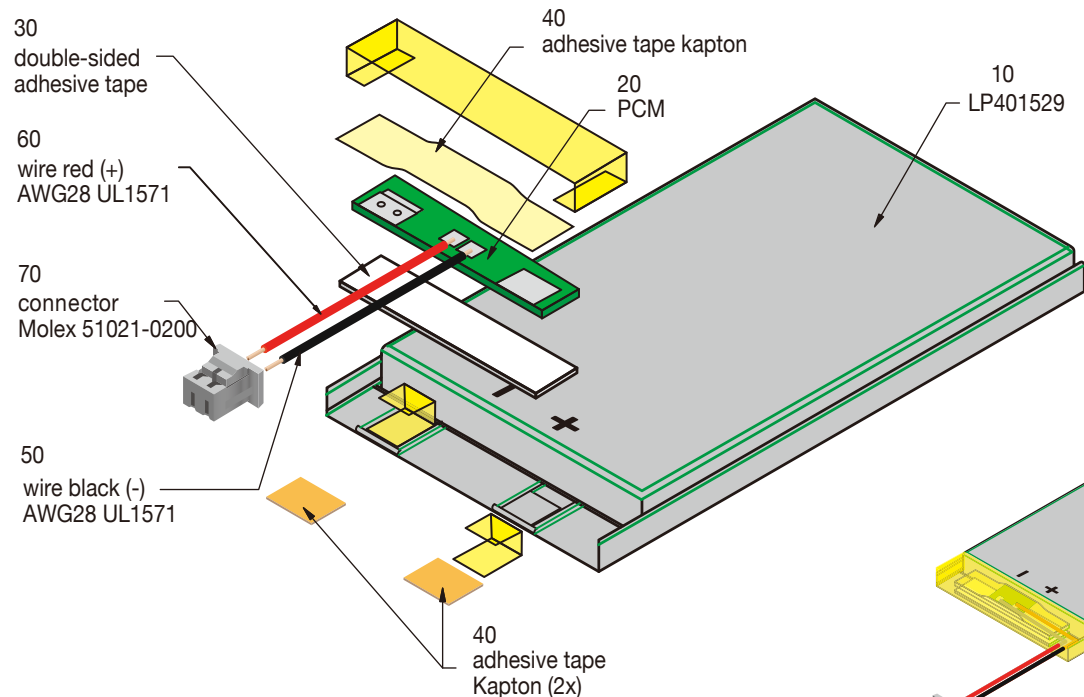
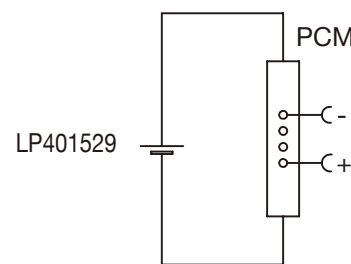




Circuit diagram



Specification

Lithium Polymer Battery Pack LP401529 150mAh 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	▶ LP401529
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 4g
Connector	▶ Molex 51021-0200

Electrical Specification

Rated Capacity	▶ 150mAh min, 160mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 0.555Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V $\pm$ 50mV
Max. Charge Current	▶ 150mA
Standard Charge Current	▶ 75mA
Max. Discharge Current	▶ 150mA
Standard Discharge Current	▶ 75mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200m Ω
Expected Cycle Life	▶ 500 cycles $\geq$ 80%
@ (0.5C/0.5C) @ 23 $\pm$ 5°C	

Cell Protection

Overcharge Detection	▶ 4.275 $\pm$ 50mV (0.7 to 1.3sec. delay, release 4.275V $\pm$ 50mV)
Overdischarge Detection	▶ 2.75V $\pm$ 50mV (14 to 26msec. delay, resume 2.50V $\pm$ 50mV)
Overcurrent Detection	▶ 2A to 2.5A (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 $\pm$ 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 11.01.2021	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 11.01.2021	Gepr./Check Guo Daxia		
Proprietary data, company confidential, all rights reserved.	0.1 0.2 0.3 0.5	Benennung/ Designation LP401529		Zchnng. / Dwg. Nr. 1 FD_3255_10	Index
		Origin:		support@lipolbattery.com	www.LiPoL Battery.com