

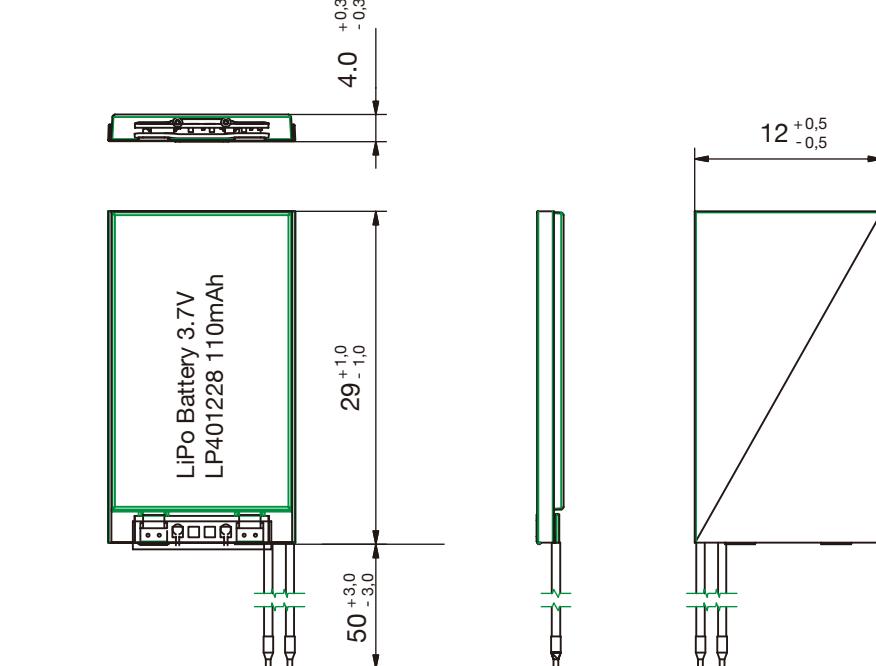
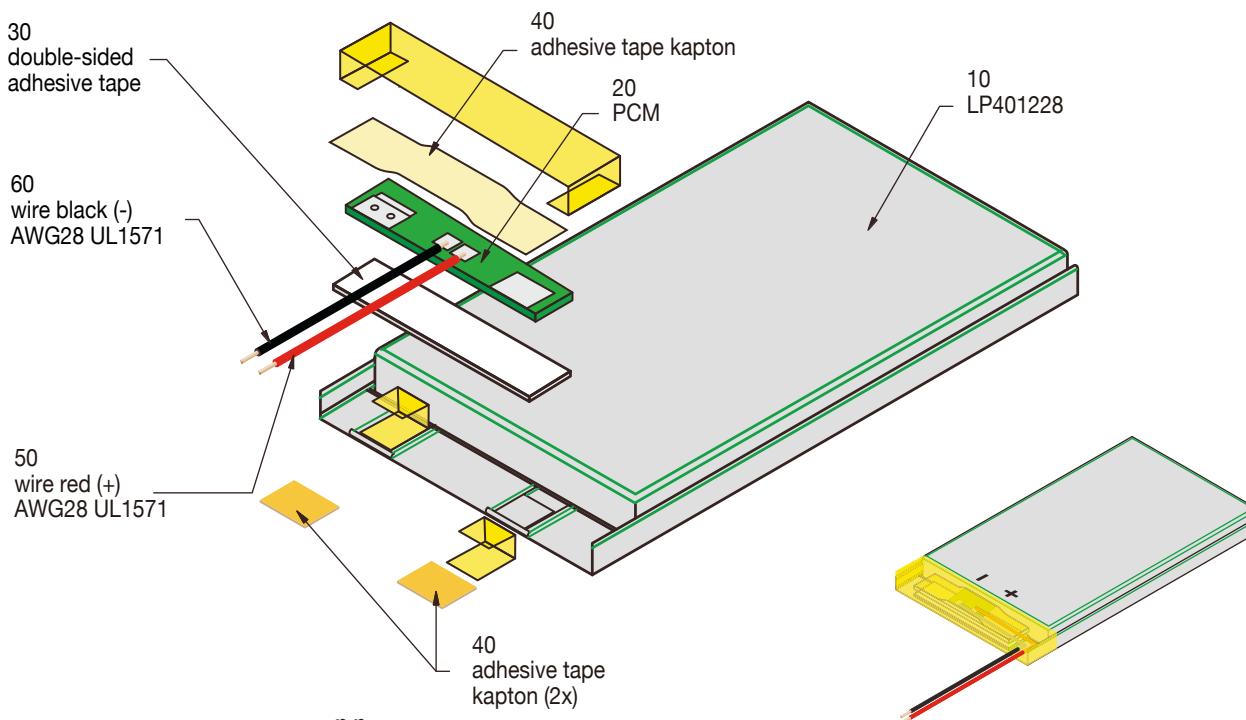
Specification

Lithium Polymer Battery Pack LP401228 110mAh 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

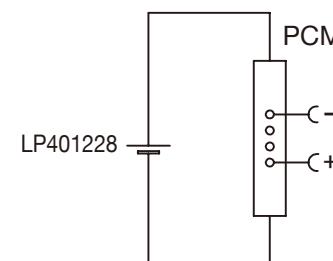
Mechanical Characteristics

Cell
PCM
NTC
Configuration
Weight

- ▶ LP401228
- ▶ Yes
- ▶ No
- ▶ 1S1P
- ▶ appr. 1.9g



Circuit Diagram



Electrical Specification

Rated Capacity
Nominal Voltage
Wat-Hour Rating
Max. Operating Voltage Range
Max. Charge Voltage
Max. Charge Current
Standard Charge Current
Max. Discharge Current
Standard Discharge Current
Discharge Cut Off
Internal Impedance
Expected Cycle Life
@ (0.5C/0.5C) @ 23 \pm 5°C

- ▶ 110mAh min, 110mAh typ.
- ▶ 3.7V
- ▶ 0.407Wh
- ▶ 2.75V to 4.20V
- ▶ 4.20V \pm 50mV
- ▶ 55mA
- ▶ 22mA
- ▶ 110mA
- ▶ 55mA
- ▶ 2.75V
- ▶ <100mΩ
- ▶ 500 cycles \geq 80%

Cell Protection

Overcharge Detection
Overdischarge Detection
Overcurrent Detection

- ▶ 4.275 \pm 50mV (0.7 to 1.3sec. delay, release 4.075V \pm 50mV)
- ▶ 2.75V \pm 50mV (14 to 26msec. delay, resume 2.75V \pm 50mV)
- ▶ 2A to 2.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range
Discharge Temp. Range
Storage Temp. Range

- ▶ +10°C to +45°C
- ▶ -20°C to +60°C
- ▶ 1 year at -20°C to +30°C >70%
- ▶ 3 months 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Maß in mm All dimensions in mm	Freimatingsgrenzen General tolerances		Date	Name
	Erst. / Orig.	Gepr./Check		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	07.08.2024	Xie Qingfang
Proprietary data, company confidential, all rights reserved.	over 6 up to 30	0,2	07.08.2024	Guo Daxia
	over 30 up to 100	0,3	Benennung/ Designation	
	over 100	0,5	LP401228	
Origin:		Zchngr. / Dwg. Nr.	1	FD_3957_10
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