



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	▶ LP401228
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 1.9g

Electrical Specification

Rated Capacity	▶ 110mAh min, 110mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 0.407Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.20V ±50mV
Max. Charge Current	▶ 55mA
Standard Charge Current	▶ 22mA
Max. Discharge Current	▶ 110mA
Standard Discharge Current	▶ 55mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <100mΩ
Expected Cycle Life	▶ 500 cycles ≥ 80%
@ (0.5C/0.5C) @ 23±5°C	

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 2.75V ±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 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

Mae in mm All dimensions in mm	Freimattoleranzen Generaltolerances	Date 07.08.2024	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 07.08.2024	Gepr./Check Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 : 0,3 over 100 : 0,5	Benennung/ Designation LP401228	Zchng. / Dwg. Nr. 1 FD_3957_10	Index	
		Origin:	support@lipolbattery.com	www.LiPolBattery.com	