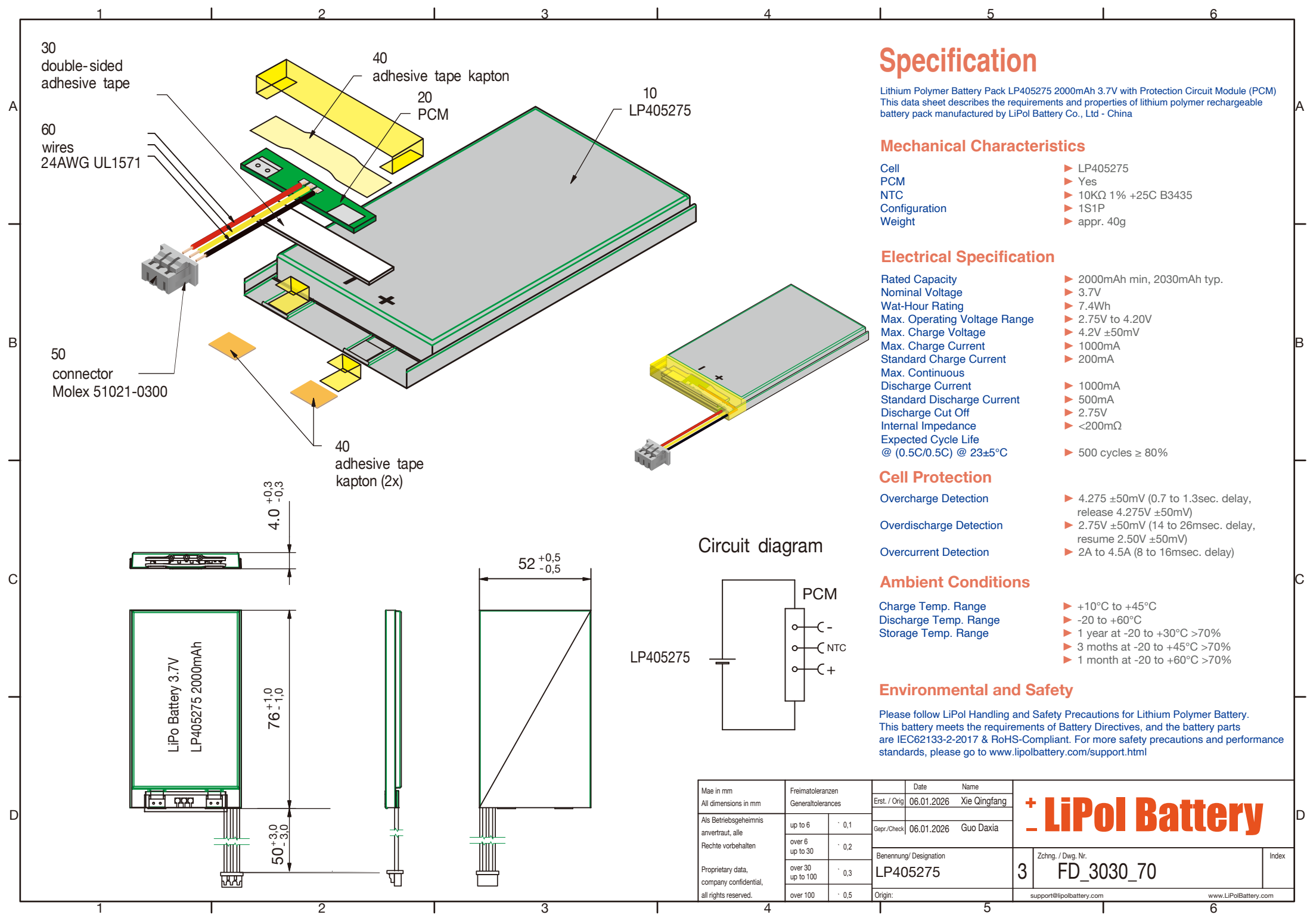




Specification

Lithium Polymer Battery Pack LP405275 2000mAh 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	▶ LP405275
PCM	▶ Yes
NTC	▶ 10KΩ 1% +25C B3435
Configuration	▶ 1S1P
Weight	▶ appr. 40g

Electrical Specification

Rated Capacity	▶ 2000mAh min, 2030mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 7.4Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 1000mA
Standard Charge Current	▶ 200mA
Max. Continuous Discharge Current	▶ 1000mA
Standard Discharge Current	▶ 500mA
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	▶ 2A to 4.5A (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 moths at -20 to +45°C >70%
	▶ 1 month at -20 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 Generaltoleranzen		Date	Name		LiPol Battery		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0.1	Erst. / Orig	06.01.2026	Xie Qingfang			
			Gepr./Check	06.01.2026	Guo Daxia			
	over 6 up to 30	0.2	Benennung/ Designation			3	Zchnng. / Dwg. Nr. FD_3030_70	Index
	over 30 up to 100	0.3	LP405275					
Proprietary data, company confidential, all rights reserved.	over 100	0.5	Origin:			support@lipolbattery.com		
						www.LiPolBattery.com		

+ LiPol Battery