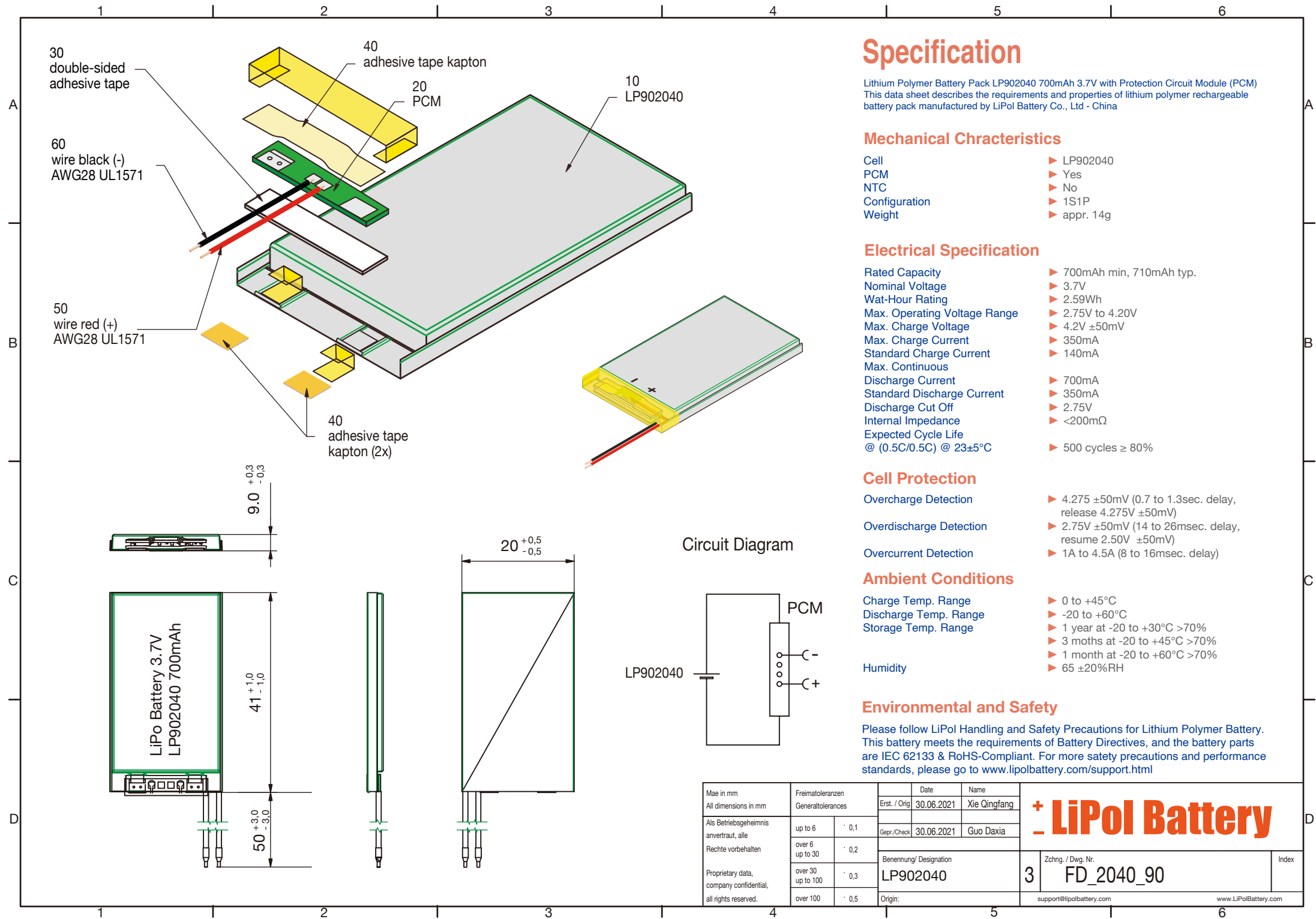




Specification

Lithium Polymer Battery Pack LP902040 700mAh 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	▶ LP902040
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 14g

Electrical Specification

Rated Capacity	▶ 700mAh min, 710mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 2.59Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V $\pm$ 50mV
Max. Charge Current	▶ 350mA
Standard Charge Current	▶ 140mA
Max. Continuous Discharge Current	▶ 700mA
Standard Discharge Current	▶ 350mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200m Ω
Expected Cycle Life @ (0.5C/0.5C) @ 23 $\pm$ 5 $^{\circ}$ C	▶ 500 cycles $\geq$ 80%

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	▶ 1A to 4.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	▶ 0 to +45 $^{\circ}$ C
Discharge Temp. Range	▶ -20 to +60 $^{\circ}$ C
Storage Temp. Range	▶ 1 year at -20 to +30 $^{\circ}$ C >70%
	▶ 3 months at -20 to +45 $^{\circ}$ C >70%
	▶ 1 month at -20 to +60 $^{\circ}$ 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 Generaltolerances	Date Erst. / Orig	Name Xie Qingfang	+ LiPol Battery	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 over 6 up to 30 up to 100 over 100	Gepr./Check	Guo Daxia		
Proprietary data, company confidential, all rights reserved.	0,1 0,2 0,3 0,5	Benennung/ Designation	LP902040	Zchnng. / Dwg. Nr. 3 FD_2040_90	Index
		Origin:	support@lipolbattery.com	www.LiPolBattery.com	