

Specification

Lithium Polymer Battery Pack LPHD7424037 3.7V 520mAh 15C without 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	▶ LPHD7424037
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 10g

Electrical Specification

Rated Capacity	▶ 520mAh min, 525mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 1.9Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 520mA/2C
Max. Continuous Discharge Current	▶ 7.8A/15C
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <100mΩ
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	▶ 8A to 8.5A (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 ±20%RH

Environmental and Safety

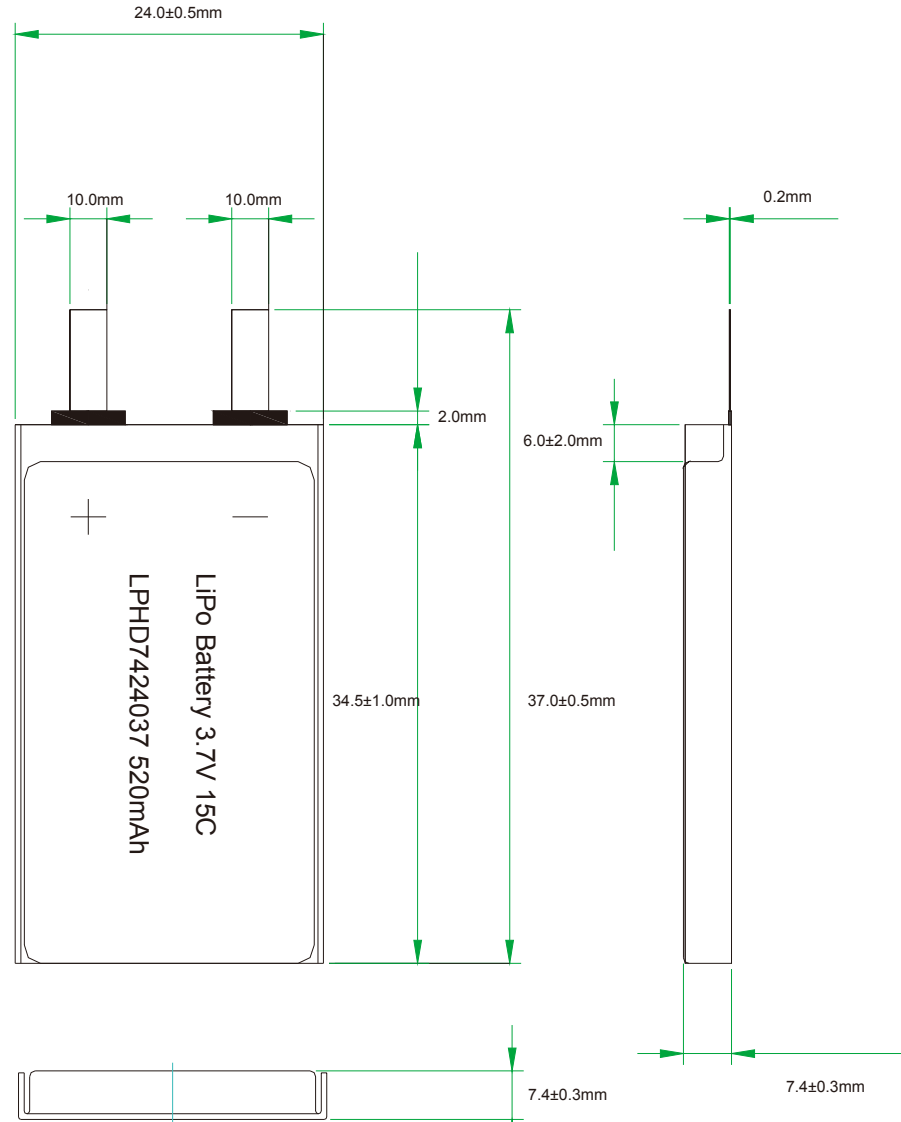
Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery.
 This battery meets the requirements of Battery Directives, and the battery parts
 are IEC 62133 & RoHS-Compliant. For more safety precautions and performance
 standards, please go to www.lipolbattery.com/support.html

A

B

C

D



Index	Alteration			Date	Name
Projection: 	Diese Mae werden besonders gepruft This dimensions are considered inspectable			Material 6645178 3352	
Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date	Name	LiPol Battery	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6	0,1	Erst./ Orig. 26.08.2019 Xie Qingfang		
	over 6 up to 30	0,2	Bearb./ Desig. Gepr./ Check. 26.08.2019 Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100	0,3	Benennung/ Designation LPHD7424037		
	over 100	0,5	Origin:	www.LiPolBattery.com support@lipolbattery.com	