



Specification

Lithium Polymer Battery Cell LPHD5130048 3.7V 600mAh 25C 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 ▶ LPHD5130048
- PCM ▶ No
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 14.0g

Electrical Specification

- Rated Capacity ▶ 600mAh min, 605mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 2.22Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ± 50mV
- Max. Charge Current ▶ 1200mA/2C
- Max. Continuous Discharge Current ▶ 15A/25C
- 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 ▶ 15A to 18A (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

Index		Alteration		Date	Name
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All dimensions in mm	Generaltolerances	10.03.2021	Xie Qingfang	6645178 3352	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 · 0,1	Bearb./ Desig		LiPol Battery	
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Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3	Benennung/ Designation		Zchg. / Dwg. Nr.	Index
	over 100 · 0,5	LPHD5130048		3	FD_3048_51
		Origin:	www.LiPolBattery.com		support@lipolbattery.com