



Specification

Lithium Polymer Battery Cell LPHD4520122 3.7V 800mAh 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 ▶ LPHD4520122
- PCM ▶ No
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 16.5g

Electrical Specification

- Rated Capacity ▶ 800mAh min, 805mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 3.145Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ± 50mV
- Max. Charge Current ▶ 1600mA/2C
- Max. Continuous Discharge Current ▶ 12A/15C
- 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 ▶ 12A to 15A (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
Projection: 		Diese Mae werden besonders gepruft This dimensions are considered inspectable			
Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date	Name	Material 6645178 3352	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst./ Orig. Bearb./ Desig. Gepr./ Check.	11.03.2021 11.03.2021	Xie Qingfang Guo Daxia	
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation LPHD4520122		Zchng. / Dwg. Nr. 3 FD_0122_45	Index
		Origin:		www.LiPolBattery.com support@lipolbattery.com	

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