



Specification

Lithium Polymer Battery Pack LPC80500 230mAh 3.7V 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	▶ LPC80500
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 5g

Electrical Specification

Rated Capacity	▶ 220mAh min, 230mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 0.851Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 115mA
Max. Continuous Discharge Current	▶ 230mA
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	▶ 0 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%
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

Mae in mm	Freimatoleranzen	Date	Name	LiPol Battery
All dimensions in mm	Generaltolerances	Erst. / Orig	Xie Qingfang	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1	Gepr./check	03.02.2019	Guo Daxia
	over 6 up to 30 · 0,2	Benennung/ Designation		Zchng. / Dwg. Nr.
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3	LPC80500		1
	over 100 · 0,5	Origin:	support@lipolbattery.com	FD_6210_10
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				www.LiPolBattery.com