



Specification

Lithium Polymer Battery Pack LP802530 600mAh 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	▶ LP802530
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 12g

Electrical Specification

Rated Capacity	▶ 600mAh min, 630mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 2.22Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ± 50 mV
Max. Charge Current	▶ 300mA
Standard Charge Current	▶ 120mA
Max. Continuous Discharge Current	▶ 600mA
Standard Discharge Current	▶ 300mA
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 ± 50 mV (0.7 to 1.3sec. delay, release 4.275V ± 50 mV)
Overdischarge Detection	▶ 2.75V ± 50 mV (14 to 26msec. delay, resume 2.50V ± 50 mV)
Overcurrent Detection	▶ 4A 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

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Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 \cdot 0,1 over 6 up to 30 \cdot 0,2	Gepr./check	03.03.2021 Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 \cdot 0,3 over 100 \cdot 0,5	Benennung/ Designation	LP802530	Zchnng. / Dwg. Nr. 3 FD_2530_70	Index
		Origin:		support@lipolbattery.com	www.LiPolBattery.com