

30  
double-sided  
adhesive tape

40  
adhesive tape kapton

20  
PCM

10  
LP803235

60  
wire black (-)  
AWG26 UL1571

50  
wire red (+)  
AWG28 UL1571

40  
adhesive tape  
kapton (2x)

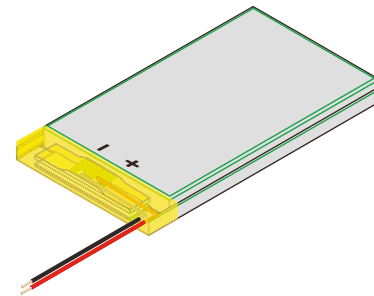
8.0 <sup>+0.3</sup>  
-0.3

32 <sup>+0.5</sup>  
-0.5

36 <sup>+1.0</sup>  
-1.0

50 <sup>+3.0</sup>  
-3.0

LiPo Battery 3.7V  
LP803235 850mAh



## Specification

Lithium Polymer Battery Pack LP803235 850mAh 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	▶ LP803235
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 17g

### Electrical Specification

Rated Capacity	▶ 850mAh min, 880mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 3.15Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 425mA
Standard Charge Current	▶ 170mA
Max. Continuous Discharge Current	▶ 850mA
Standard Discharge Current	▶ 425mA
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	▶ 4A to 4.5A (8 to 16msec. delay)

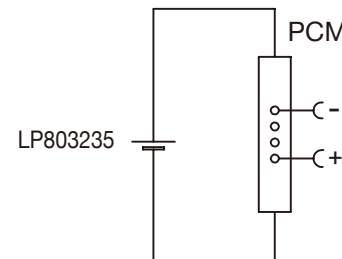
### Ambient Conditions

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 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to [www.lipolbattery.com/support.html](http://www.lipolbattery.com/support.html)

Circuit Diagram



Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date 05.03.2021	Name Xie Qingfang	<b>LiPol Battery</b>	Index
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst. / Orig 05.03.2021	Gepr./check Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation LP803235		Zchnng. / Dwg. Nr. 3 FD_3235_70	
		Origin: support@lipolbattery.com		www.LiPolBattery.com	