

# Specification

Lithium Polymer Battery Cell LP7865126 8000mAh 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	▶ LP7865126
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 160g

## Electrical Specification

Rated Capacity	▶ 8000mAh min, 8020mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 28.6Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 4000mA
Standard Charge Current	▶ 2000mA
Max. Continuous Discharge Current	▶ 3000mA
Standard Discharge Current	▶ 4000mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

## Cell Protection

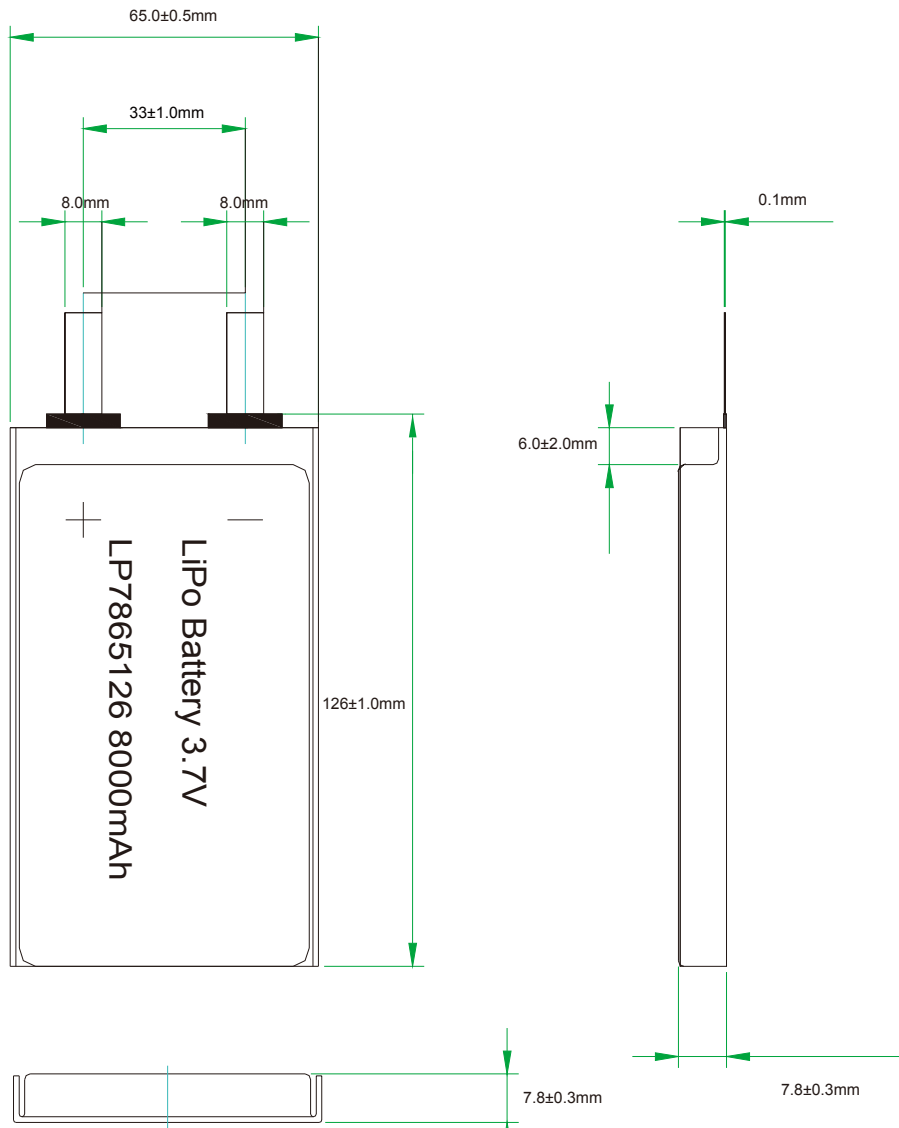
Overcharge Detection	▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 4A to 4.5A (8 to 16msec. delay)

## Ambient Conditions

Charge Temp. Range	▶ +10 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](http://www.lipolbattery.com/support.html)



Index		Alteration		Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable			
Mae in mm	Freimatoleranzen	Date	Name	Material 6645178 3352	
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Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3	Benennung/ Designation		Zchng. / Dwg. Nr.	Index
	over 100 · 0,5	LP7865126		3	FD_5126_78
		Origin:	www.LiPolBattery.com		support@lipolbattery.com

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