Lithium Polymer Battery Pack LP652265 950mAh 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

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### Electrical Specification

- **Rated Capacity**: 950mAh min, 970mAh typ.
- **Nominal Voltage**: 3.7V
- **Wh-Hour Rating**: 3.515Wh
- **Max. Operating Voltage Range**: 2.75V to 4.20V
- **Max. Charge Voltage**: 4.2V ±50mV
- **Max. Charge Current**: 475mA
- **Max. Continuous Current**: 950mA
- **Discharge Current**: 2.75V
- **Discharge Cut Off**: 2.75V
- **Internal Impedance**: <200mΩ
- **Expected Cycle Life**: 500 cycles ≥ 80%
- **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)
- **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%
- **Humidity**: 3 months at -20 to +45°C, >70%
- **Storage Temp. Range**: 1 month at -20 to +60°C, >70%
- **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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**Circuit Diagram**

Premier Lithium Power Systems (Europe) GmbH & Co. KG

All dimensions in mm

General tolerances

over 60

up to 6

up to 30

over 30

over 100

0,1

0,02

0,03

0,05

Premier Lithium Power Systems (Europe) GmbH & Co. KG

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Rechtliche Vorbehalt

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Name: Xie Qingfang

Date: 01.05.2019

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