Lithium Polymer Battery Pack 250mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP502030
Designation IEC system: Lithium polymer battery pack
Length: 30 ± 0.4mm
Width: 20 ± 0.4mm
Thickness: 5.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 3.5g
Connector: JST 2,54

Electrical Specification
Rated capacity: 250mAh min, 260mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 125mA, Rapid Charge: 250mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. Current: 5.0mA
Max continuous discharge current: 250mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 89mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 450mAh 3.7V with Protection Circuit Module (PCM)

Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP502248
Designation IEC system: Lithium polymer battery pack
Length: 48 ± 0.4mm
Width: 22 ± 0.4mm
Thickness: 5.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 9.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 450mAh min, 470mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 225mA, Rapid Charge: 450mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. current: 9.0mA
Max continuous discharge current: 450mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 78mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 600mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP403448
Designation IEC system: Lithium polymer battery pack
Length: 48 ± 0.4mm
Width: 34 ± 0.4mm
Thickness: 4.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 12.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 580mAh min, 600mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 300mA, Rapid Charge: 6000mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. Current: 12.0mA
Max continuous discharge current: 600mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 60mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 850mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP603048
Designation IEC system: Lithium polymer battery pack
Length: 48 ± 0.4mm
Width: 30 ± 0.4mm
Thickness: 6.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 18.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 850mAh min, 880mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 425mA, Rapid Charge: 850mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. Current: 17.0mA
Max continuous discharge current: 850mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 52mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 980mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics

Type number: LP573450
Designation IEC system: Lithium polymer battery pack
Length: 50 ± 0.4mm
Width: 34 ± 0.4mm
Thickness: 5.7 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 19.5g
Connector: JST 2,54

Electrical Specification

Rated capacity: 980mAh min, 1020mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 490mA, Rapid Charge: 980mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. current: 19.6mA
Max continuous discharge current: 980mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 25mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions

Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety

Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 1350mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP503759
Designation IEC system: Lithium polymer battery pack
Length: 59 ± 0.4mm
Width: 37 ± 0.4mm
Thickness: 5.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 28.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 13550mAh min, 1380mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 675mA, Rapid Charge: 1350mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. Current: 27.0mA
Max continuous discharge current: 1350mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 47mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 1500mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP584070
Designation IEC system: Lithium polymer battery pack
Length: 70 ± 0.4mm
Width: 40 ± 0.4mm
Thickness: 5.8 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 30.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 1480mAh min, 1500mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 750mA, Rapid Charge: 1500mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. current: 9.0mA
Max continuous discharge current: 1500mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 78mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 2300mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP654365
Designation IEC system: Lithium polymer battery pack
Length: 65 ± 0.4mm
Width: 43 ± 0.4mm
Thickness: 6.5 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 40.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 2300mAh min, 2300mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 1350mA, Rapid Charge: 2300mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. current: 9.0mA
Max continuous discharge current: 2300mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 78mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex

Lithium Polymer Battery Pack 4000mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack

Mechanical Characteristics
Type number: LP7035138
Designation IEC system: Lithium polymer battery pack
Length: 138 ± 0.4mm
Width: 35 ± 0.4mm
Thickness: 7.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 10 07)
Weight: appr. 75.0g
Connector: JST 2,54

Electrical Specification
Rated capacity: 3980mAh min, 4000mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 2000mA, Rapid Charge: 4000mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours, Rapid charge: 4 hours
B) By min. Current: 80.0mA
Max continuous discharge current: 4000mA
Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
Internal impedance (1kHz): approx 78mOhm
Cell protection
Overcharge detection: 4.325 ± 25mV (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV (6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions
Temperature range
Charge: 0 to +45 C
Discharge: -20 to +60 C
Charge retention/Storage:
1 year at -20 to 20 C >70%
3 month at -20 to 45 C > 70%
1 month at -20 to 60°C > 70%

Safety
Please follow handing and Safety Precautions Poliflex