3.7V Lithium Polymer Battery Data Sheet

Model: 503246

Please Find More:

https://www.fpbattery.com/3-7v-750mah-lithium-polymer-battery/

File Number: A/FP3246-11009

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503246
Nominal Voltage	3.7 V
Nominal Capacity	780 mAh
Internal Impedence	<60mΩ
Charge Voltage	4.2V
Recommended Charge Current	0.2 C
Allowed Max Charge Current	0.5 C
Output Voltage Range	4.2 - 2.5 V
Recommended Discharge Current	0.2 C
Max Continuous Discharge Current	1 C
Pulse Discharge Current	3 C (10 mS)
Discharge Cut-off Voltage	2.5± 0.05V
Cycle Life to 80% Health	500 (0.2C, 25°C)

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ENVIRONMENTAL SPECIFICATIONS

Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

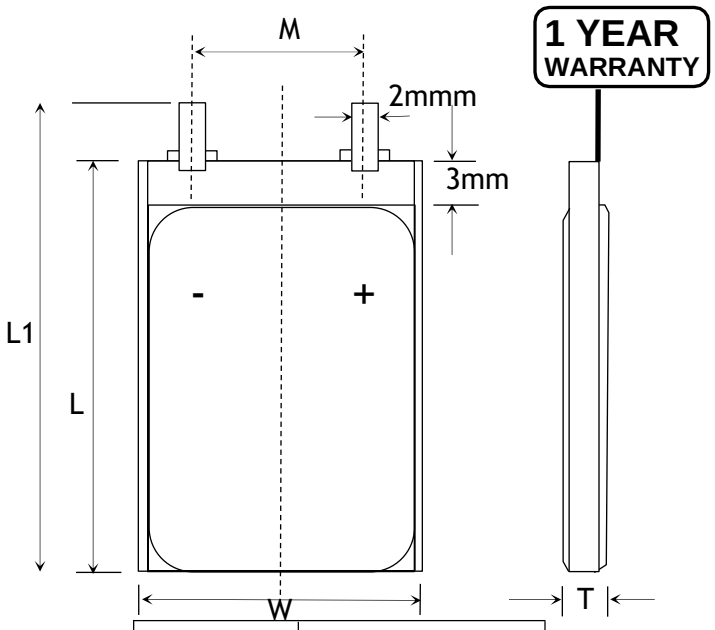
MECHANICAL SPECIFICATIONS

Dimensions	48x 32 x 5 mm(L*W*T)
Weight	Around 13 g
Battery Terminals	WC/ FL *

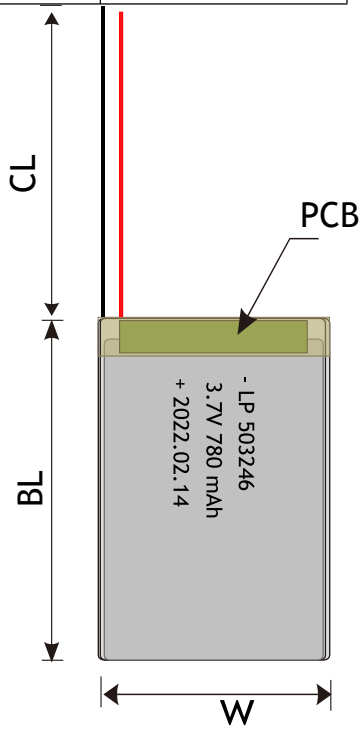
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell



Item	Parameter (mm)
T	5
W	32
M	10
L	46
L_1	48
BL	48 ± 1
CL	100



BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS

Special Ingredients to make batteries work from -40 -85 ° C

Discharging Current up to 100C

Popular JST,Molex,Hirose,Anderson available



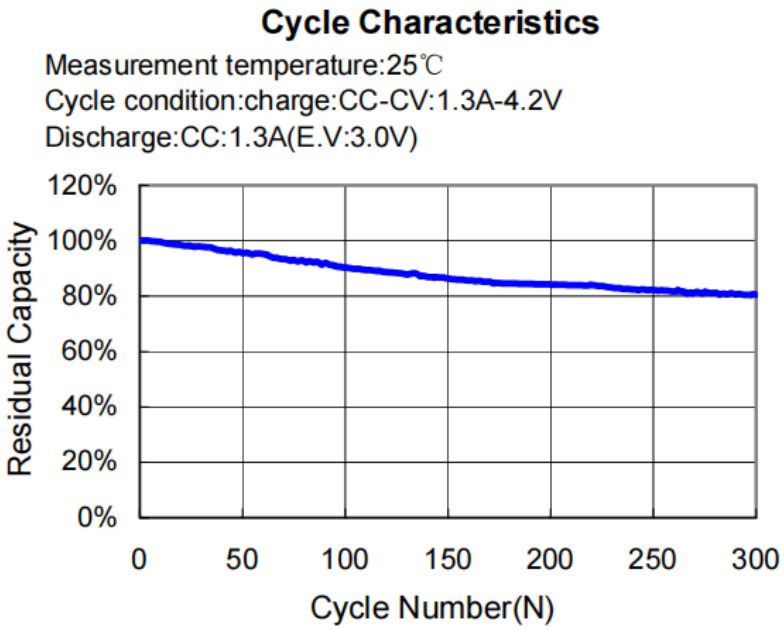


LED Power Indicator



Power Button

RELATIVE CURVES



ANNOUNCEMENT

- Connecting the LiPo Battery to the Charger (Read the Charger Instructions)
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter's Laboratories (UL) or Intertek (ETL).
- Connecting the LiPo Battery to the Charger (Read the Charger Instructions)
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- Never leave un-attended!
- The batteries must be stored within -10°C~45°C range environmental condition.
- If the battery develops an abnormal condition, stop using it immediately.
- Dedicate a battery storage area free of combustible materials.
- The battery must be installed in the model on a flat surface.
- Ensure that all cells in a battery maintain the same voltage across all cells at all times.
- Before starting work, remove watches, metal rings, and other metal jewelry when working with or near large batteries or power supplies. If the metal from your jewelry comes into contact with a terminal, you become part of the circuit. Effects can vary from a small electric shock to burns or even electrocution, depending on the power of the battery.