# 3.7V Lithium Polymer Battery Data Sheet

Model:  503547

Please Find More:

https://www.fpbattery.com/3-7v-800mah-lithium-polymer-battery/

File Number:  A/FP3547-9359

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/

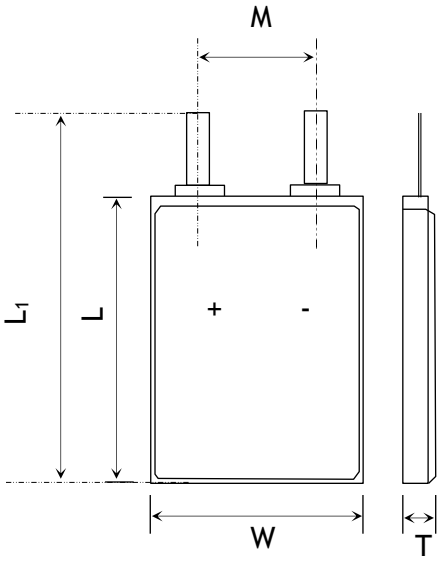
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 503547 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 820 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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**1 YEAR WARRANTY**




| Item | Parameter (mm) |
|---|---|
| T | 5 |
| W | 35 |
| M | 10 |
| L | 47 |
| $L_1$ | 49 |
| BL | 49 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

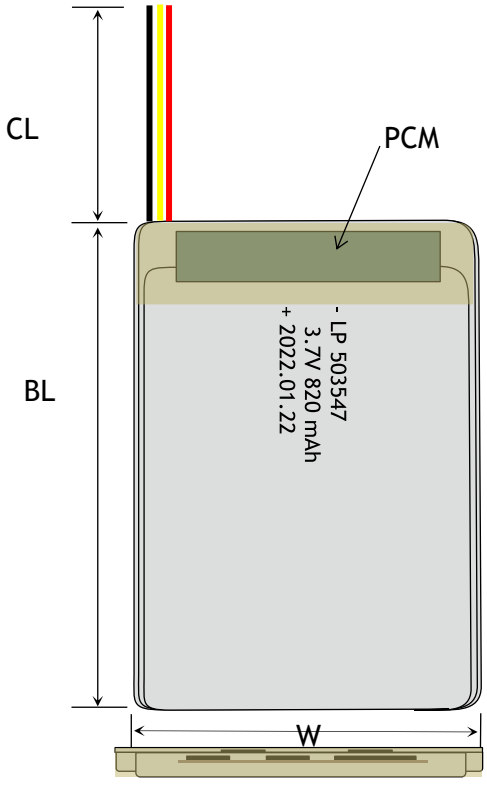
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 49x 35 x 5 mm(L*W*T) |
| Weight | Around 13 g |
| Battery Terminals | WC/ FL * |

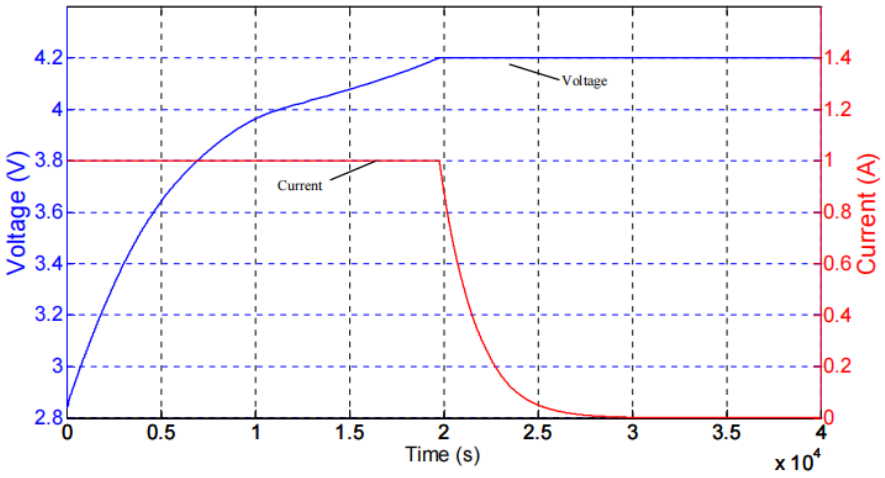



## CERTIFICATION

| | |
|---|---|
| Certification Approval | PLEASE CONSULT SALES |

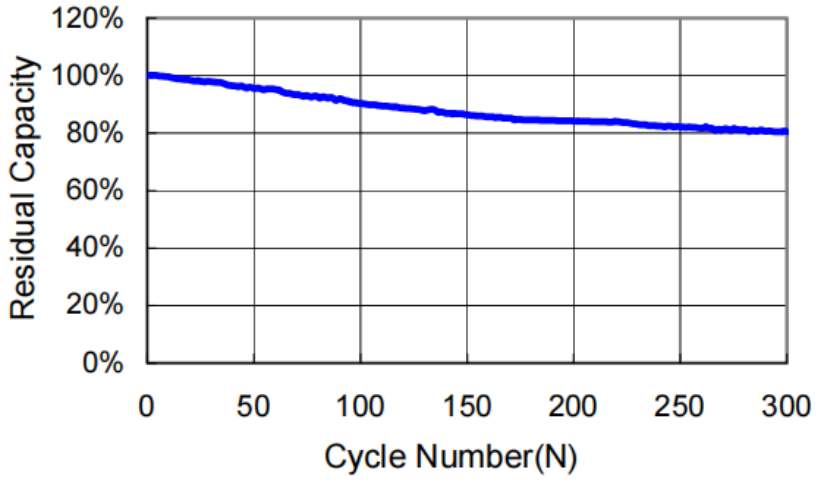
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

# RELATIVE CURVES




## Cycle Characteristics

Measurement temperature:25℃
Cycle condition:charge:CC-CV:1.3A-4.2V
Discharge:CC:1.3A(E.V:3.0V)




# ANNOUNCEMENT

- Never leave battery unattended during the discharging process, always monitor the process constantly and react to potential problem that may occur.
- Remove Li-Ion powered devices and batteries from the charger once they are fully charged.
- Do not allow children to touch the battery, especially untrained children.
- Never charge Batteries that are too hot to the touch (above 100° F). DO NOT handle Batteries until they are cool.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- Avoid physical damage and short circuiting.
- Always charge Batteries in an open area away from flammable materials, liquids and surfaces.
- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.
- Obtain sand. Use in bottom of isolation containers and as a smothering agent in case of fire.
- When using the adapter, make sure that the voltage and current requirements are met.
- Clean the battery connectors regularly to maintain good contact performance.