# 3.7V Lithium Polymer Battery Data Sheet

Model:  552948

Please Find More:

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

File Number:  A/FP2948-14884

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/

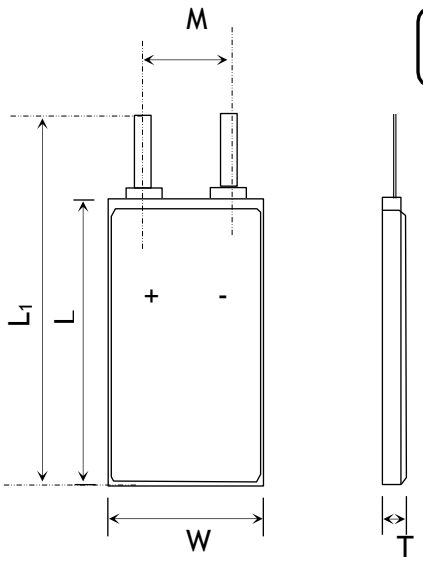
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 552948 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 765 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 | 29 |
| M | 10 |
| L | 48 |
| $L_1$ | 50 |
| BL | 50 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

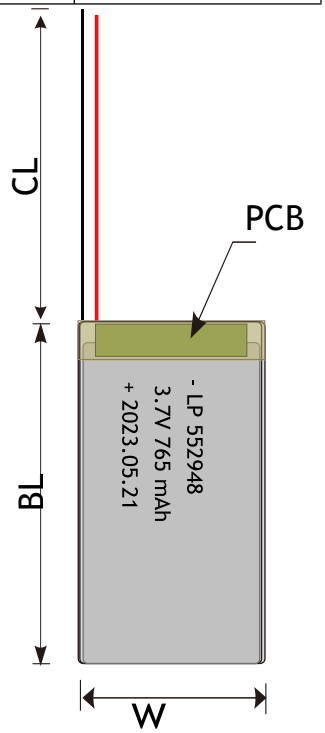
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 50x 29 x 5 mm(L*W*T) |
| Weight | Around 12 g |
| Battery Terminals | WC/ FL * |



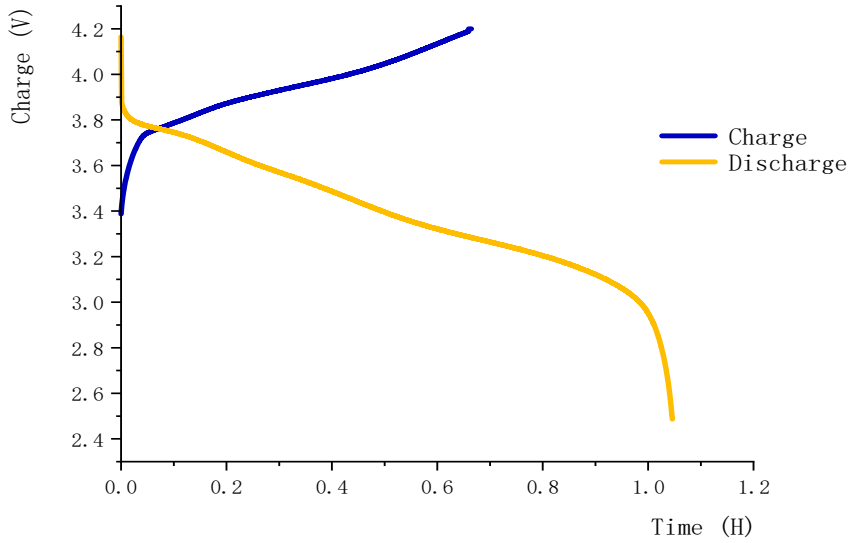

## CERTIFICATION

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

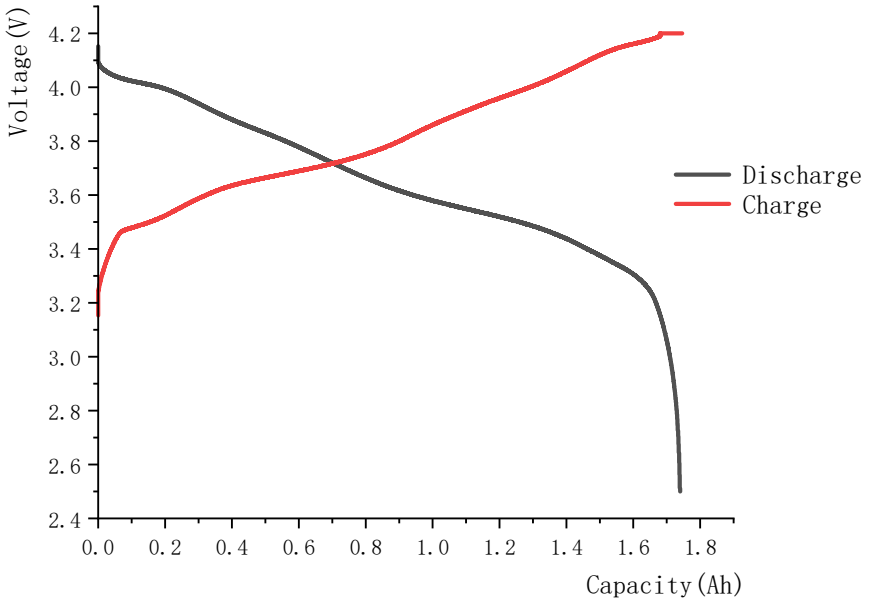
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

# RELATIVE CURVES

Discharge Voltage VSCharge Voltage Characteristics Curve@1C,25℃




**Discharge VS Charge Characteristics Curve@0.2C 25℃**




# ANNOUNCEMENT

- Maintain the minimum quantity of batteries possible.
- Do not place the battery near flammable materials.
- Do not mix batteries of different models or capacities.
- Reacting and leaking batteries are considered hazardous waste. Please consult Emergency Procedures below.
- Never store batteries inside a Vehicle.
- Always set the charger to proper cell count and/or voltage listed on Batteries' labels.
- Do not use a damaged charger that could cause the battery to overcharge or over discharge.
- Make sure the device is turned off before disconnecting the power.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Do not approach the cell until it reaches room temperature. The cell temperature can be checked using a remote device (i.e. infrared thermometer).
- Do not leave unattended when charging