# 3.7V Lithium Polymer Battery Data Sheet

Model:  554339

Please Find More:

https://www.fpbattery.com/3-7v-900mah-lithium-polymer-battery/

File Number:  A/FP4339-742

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/

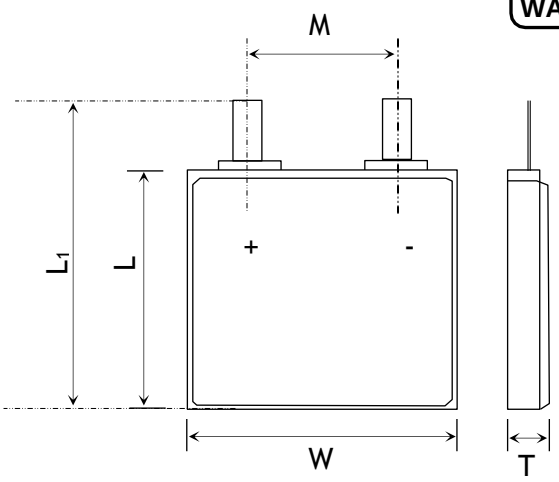
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 554339 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 920 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 | 43 |
| M | 10 |
| L | 39 |
| $L_1$ | 41 |
| BL | 41 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

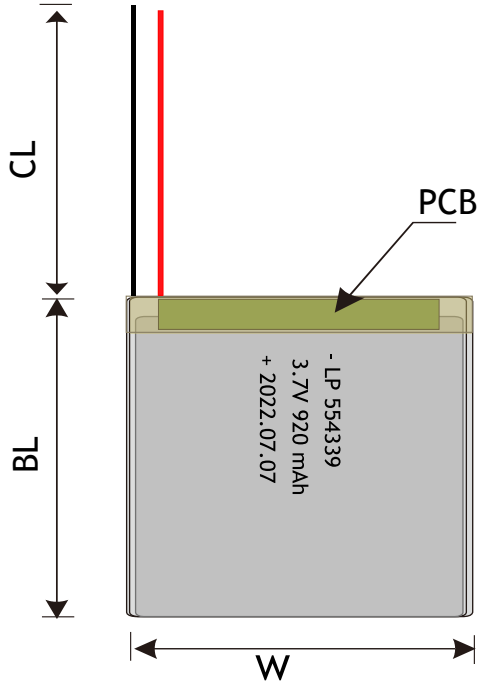
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 41x 43 x 5 mm(L*W*T) |
| Weight | Around 15 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

## 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

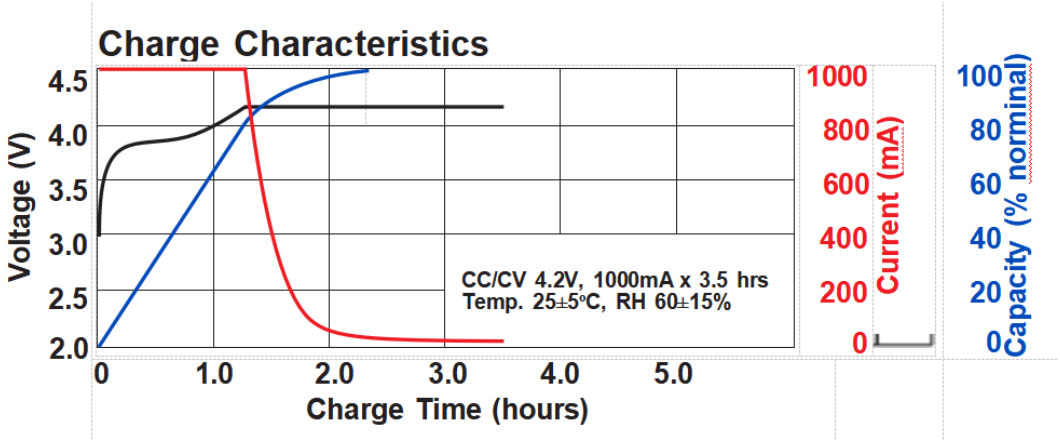


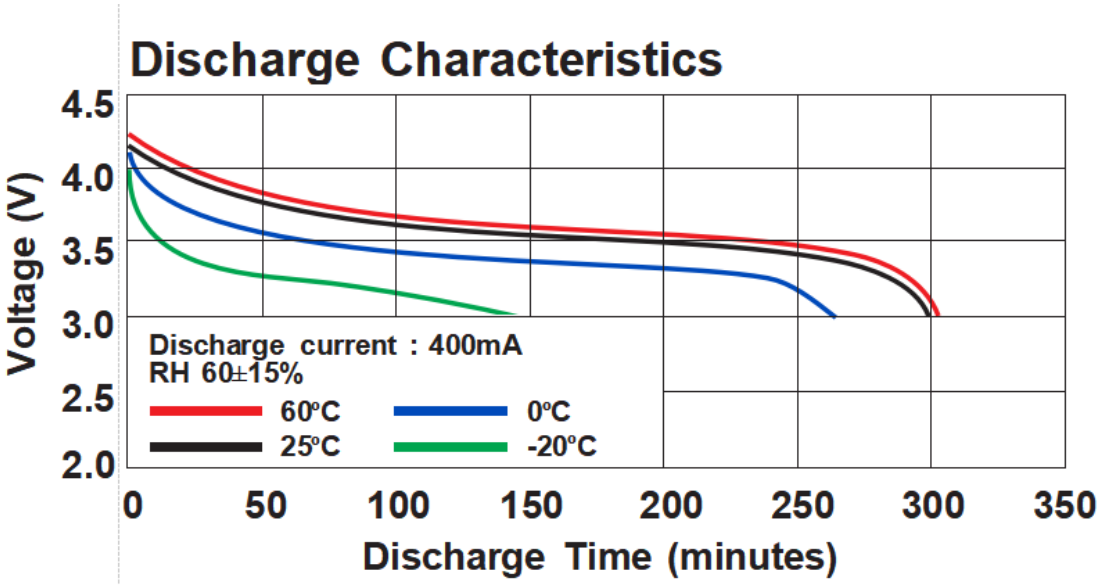
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

## RELATIVE CURVES




## ANNOUNCEMENT

- Do not charge a Lipo battery mat has 'ballooned' or 'puffed up', or shows any signs of leakage or physical damage.
- If you have dropped or damageda LiPo battery in anyway, do not attempt to charge it.
- Obtain container to safely transport LiPo batteries between the labs and use locations. Remove from vehicle once at the destination.
- Avoid physical damage and short circuiting.
- ALWAYS visually inspect stored Li-Ion and LiPo batteries, at a minimum, weekly.
- Never disassemble, modify, puncture, mechanically shock, or short circuit the battery. Leakage, smoke emission, ignition, explosion, or fire, which may result in personal injury and property damage, can occur.
- Do not allow charging to continue above 4.20V per cell. This is VERY important as a fire could result.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Connecting the LiPo Battery to the Charger (Read the Charger Instructions)
- Always store LiPo pack in a safe and nonGcombustible container away from flammable/combustible materials.
- Do not discharge a LiPo battery at a rate exceeding the maximum continuous discharge current specified for it. Otherwise, the battery will overheat and result in battery deterioration, bursting, ballooning, or possibly cause a fire or explosion.