# 3.7V Lithium Polymer Battery Data Sheet

Model:  353567

Please Find More:

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

File Number:  A/FP3567-18290

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/

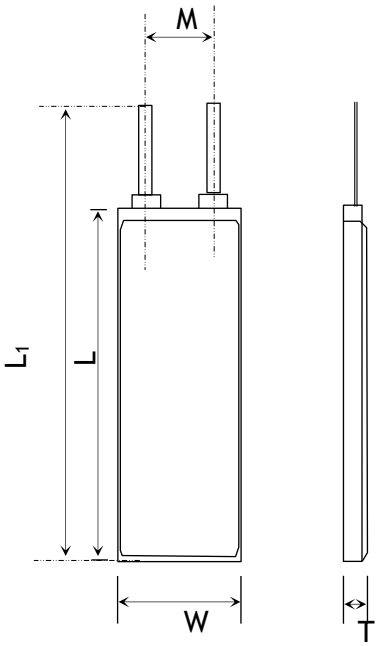
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 353567 |
| 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 | 3 |
| W | 35 |
| M | 10 |
| L | 67 |
| $L_1$ | 69 |
| BL | 69 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

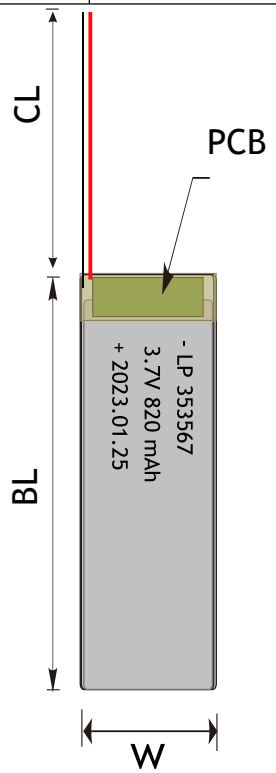
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 69x 35 x 3 mm(L*W*T) |
| Weight | Around 13 g |
| Battery Terminals | WC/ FL * |



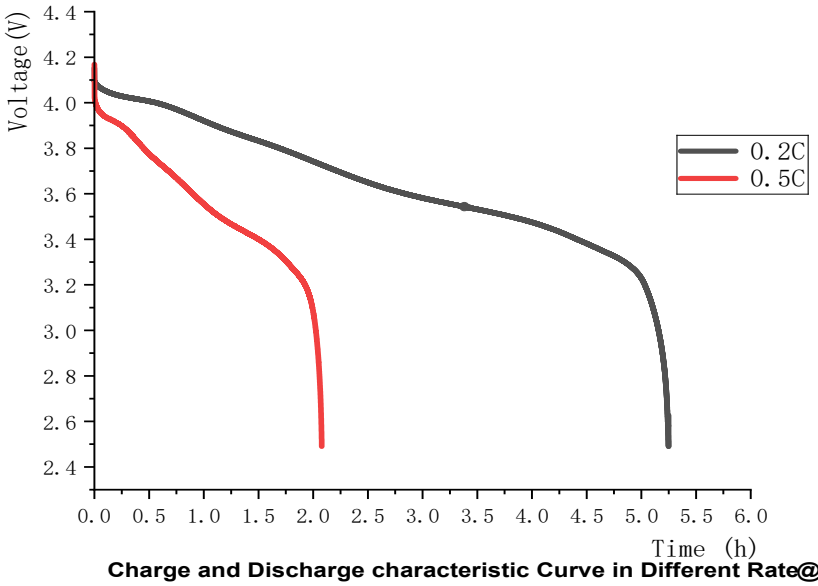

## CERTIFICATION

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

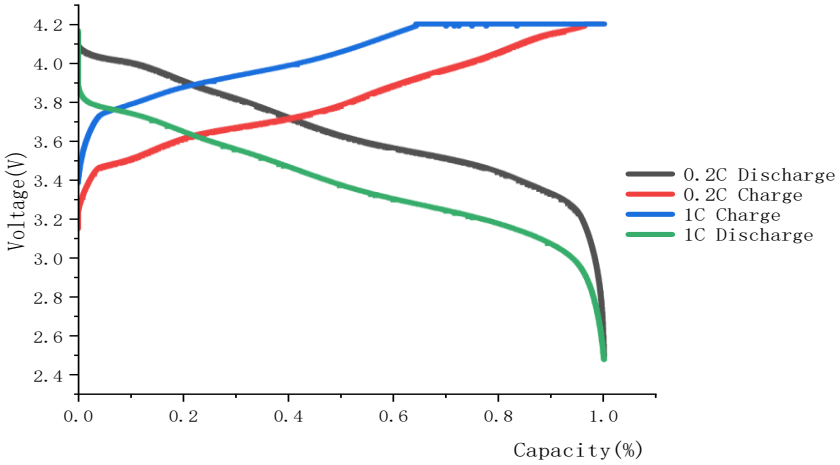
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

# RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃




**Charge and Discharge characteristic Curve in Different Rate@25℃**




# ANNOUNCEMENT

- If the battery swells during charging, stop charging immediately and disconnect the battery from the charger. Leave the battery outside for a few hours and observe.
- Protect from the frost, and also temperatures above 60 degrees Centigrade. Batteries should never be in the sun, on hot surfaces.
- Always charge the battery in an isolated safe area away from any flammable/combustible materials. Never charge a LiPo battery on a wooden workbench, inside an automobile,or on any flammable surface. Charge LiPo batteries on a concrete surface where there are no flammable objects within 10 feet (3 meters) of the charging area. Always charge your LiPo battery in a fireproof container.
- Read and understand the battery's instruction manual carefully before use.
- Use only a charger designed for charging LiPo batteries. Never use any other type of charger.
- ALWAYS evacuate the building to your unit’s designated outside meeting location.
- Charging current should be less than maximum charge current specified in the Product Specification.
- Do not store batteries with metal.
- Discharging capacity can't exceed 80% of the max capacity after full charging to ensure a good cycle performance
- ALWAYS visually inspect stored Li-Ion and LiPo batteries, at a minimum, weekly.
- ALWAYS store batteries away from any materials that can catch fire.