# 3.7V Lithium Polymer Battery Data Sheet

Model:  3551101

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number:  A/FP51101-18976

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/

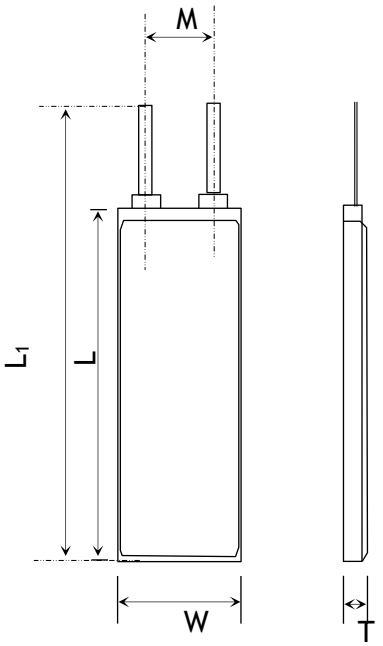
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 3551101 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 1800 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) |

1

**1 YEAR WARRANTY**




| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 51 |
| M | 10 |
| L | 101 |
| $L_1$ | 103 |
| BL | 103 ± 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 |

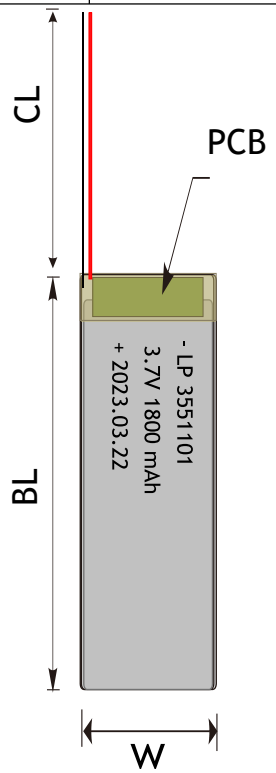
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 103x 51 x 3 mm(L*W*T) |
| Weight | Around 30 g |
| Battery Terminals | WC/ FL * |

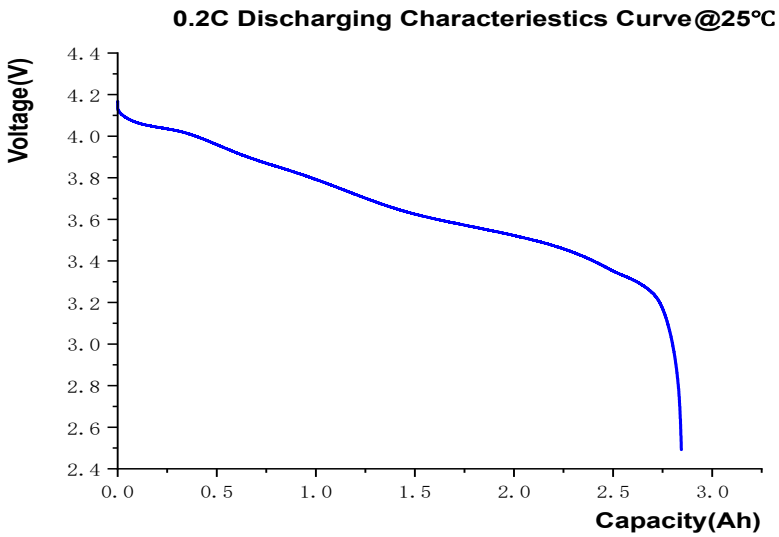
## CERTIFICATION

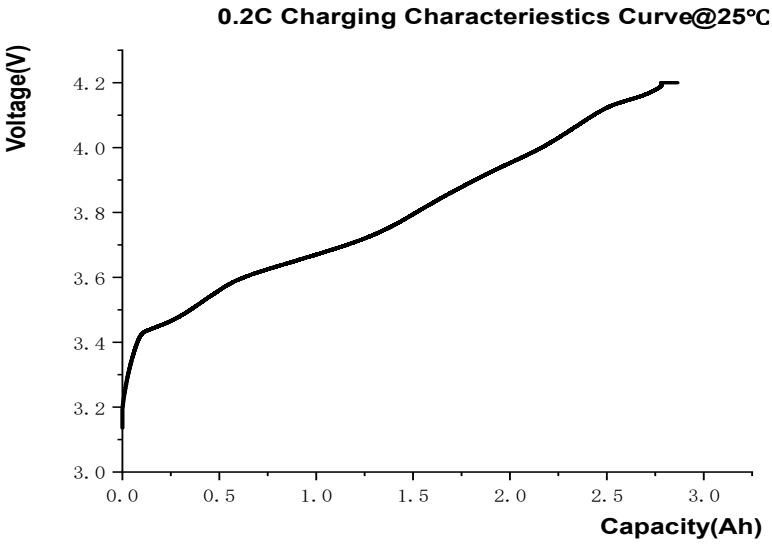
| | |
|---|---|
| Certification Approval | PLEASE CONSULT SALES |

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



# RELATIVE CURVES




# ANNOUNCEMENT

- In premises that also provide sleeping accommodation, serious consideration should be given, wherever practicable, to using timers to control socket outlets used for charging equipment
- Do not inhale the gasses of a damaged battery or ingest the contents. If you do accidentally swallow the contents of LiPo cells seek medical attention immediately.
- If leaking material is present, do not touch it.
- Let batteries cool down prior to charging.
- Emergency Response and Disposal
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- Store LiPo batteries at correct voltage (around 3.8 volts).
- For best practice store standard lipo batteries at 3.80 volts +/.05 volts per cell. Or at the manufacturer's suggested storage voltage for non standard chemistry's
- Always check that batteries are physically and electrically undamaged before charging or discharging.
- ALWAYS evacuate the building to your unit’s designated outside meeting location.
- Work on insulated surfaces. Avoid sharp edges and tools.