# 3.7V Lithium Polymer Battery Data Sheet

Model:  305580

Please Find More:

https://www.fpbattery.com/3-7v-1300mah-lithium-polymer-battery/

File Number:  A/FP5580-11320

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 305580 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 1300 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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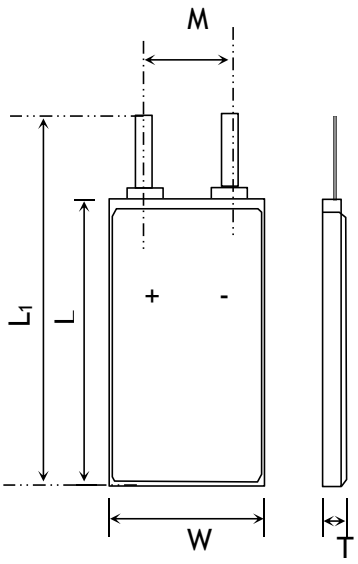
**1 YEAR WARRANTY**



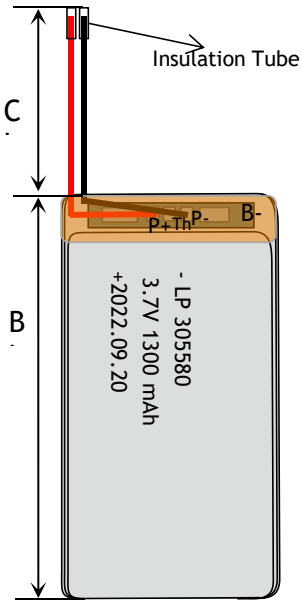

| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 55 |
| M | 10 |
| L | 80 |
| $L_1$ | 82 |
| BL | 82 ± 1 |
| CL | 100 |

## 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 |

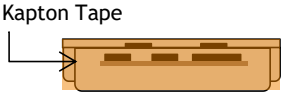
## BATTERY PROTECTION

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




## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 82x 55 x 3 mm(L*W*T) |
| Weight | Around 21 g |
| Battery Terminals | WC/ FL * |

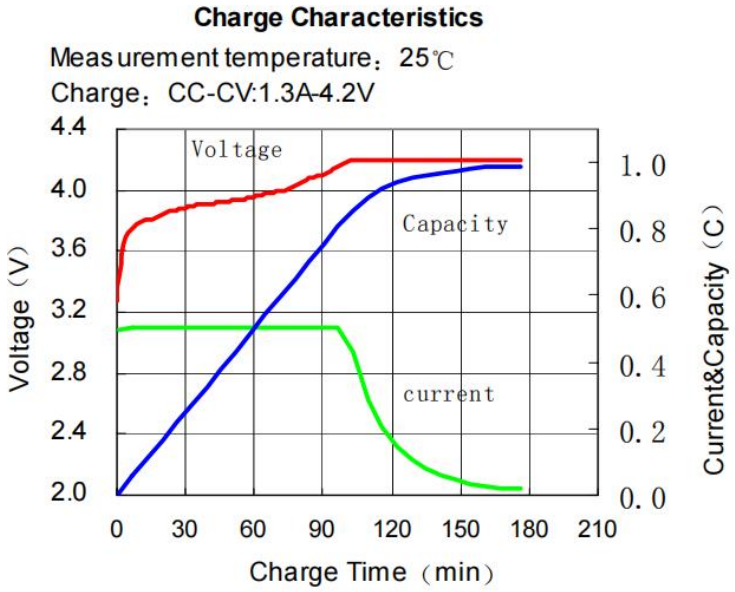


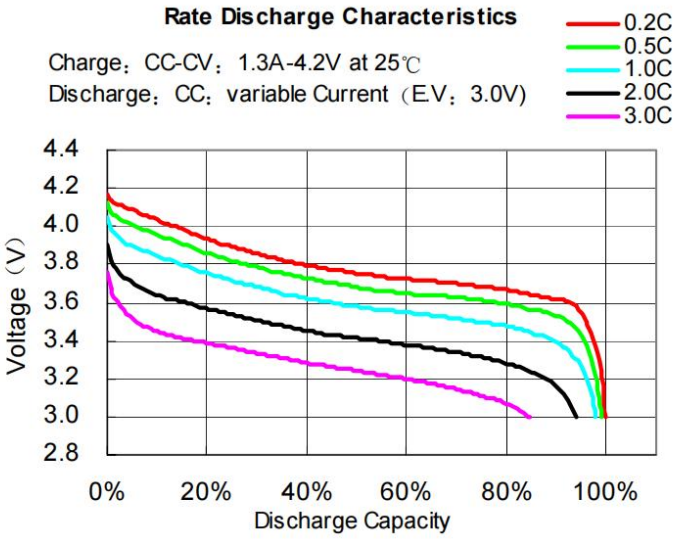

## CERTIFICATION

| | |
|---|---|
| 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

- Avoid crushing or excessive pressure on the battery.
- If a cell is venting or smoking, evacuate, all personnel from the area, closing doors behind you. The area should be secured to ensure that no unnecessary persons enter.
- 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
- Do not charge any pack containing one or more damaged or swollen/puffed cell as there is a high risk of a fire. Dispose of them.
- Do not charge the battery without supervision.
- Do not leave unattended when charging
- Do not apply excessive mechanical stress to the battery.
- Do not apply sticky substances to the positive and negative terminals of the battery.
- Store dust free and dry and protect from moisture
- ALWAYS locate exits and evacuation routes in your area. Know the location of portable fire extinguishers in the area, and the location of the nearest fire alarm pull station (if the building is equipped with a fire alarm system).
- Obtain recycling container from EHRS for all batteries except LiPo.