# 3.7V Lithium Polymer Battery Data Sheet

Model: 403875

Please Find More:

https://www.fpbattery.com/3-7v-1100mah-lithium-polymer-battery/

File Number: A/FP3875-18943

File Version: 01


CONTACT

CUSTOMER SERVICE
86.755.3682.7358
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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 403875 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 1100 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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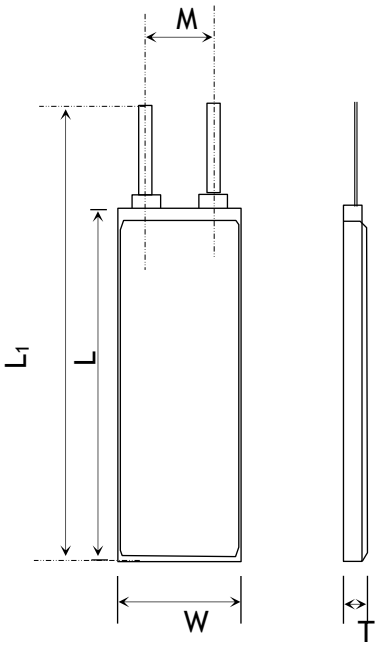
**1 YEAR WARRANTY**




| Item | Parameter (mm) |
|---|---|
| T | 4 |
| W | 38 |
| M | 10 |
| L | 75 |
| $L_1$ | 77 |
| BL | 77 ± 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 |

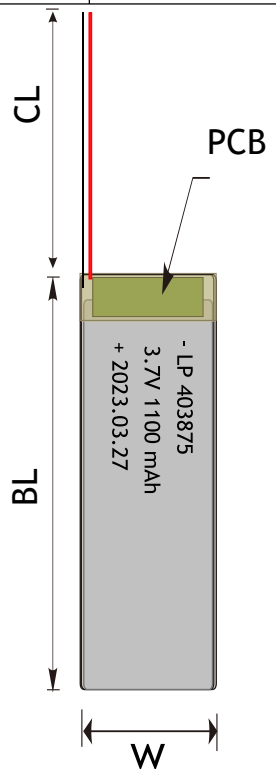
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 77x 38 x 4 mm(L*W*T) |
| Weight | Around 18 g |
| Battery Terminals | WC/ FL * |

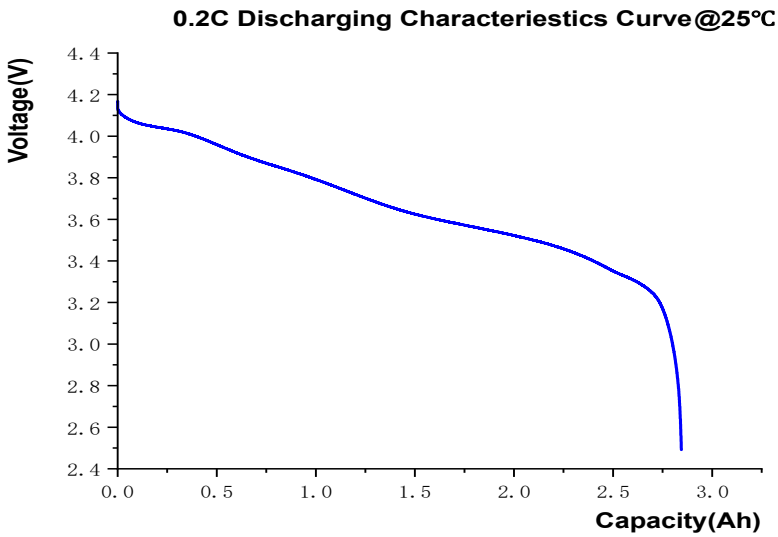
## CERTIFICATION

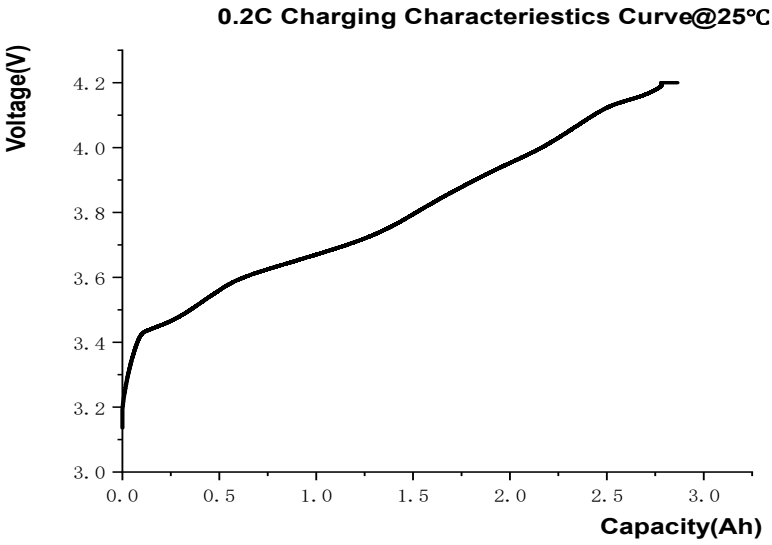
| | |
|---|---|
| Certification Approval | PLEASE CONSULT SALES |

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



# RELATIVE CURVES




# ANNOUNCEMENT

- Set up emergency battery isolation container.
- 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.
- Never discharge your Li-Po battery below the Lowest Discharge Voltage. This may cause irreversible damage which will deteriorate battery performance and cycle life. An ESC with an adjustable low voltage cutoff is MANDATORY!
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- If you start seeing any physical changes to the battery while discharging example puffing, STOP charging immediately and dispose of the battery responsibly.
- Do not place the battery in a microwave or other heating device.
- Do not use damaged battery connectors.
- Avoid frequent charging and discharging on the way to using the battery.
- Store and transport in a non-flammable container
- NEVER put Li-Ion or LiPo batteries in the trash.
- 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.