# 3.7V Lithium Polymer Battery Data Sheet

Model: 405385

Please Find More:

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

File Number: A/FP5385-14072

File Version: 01


CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

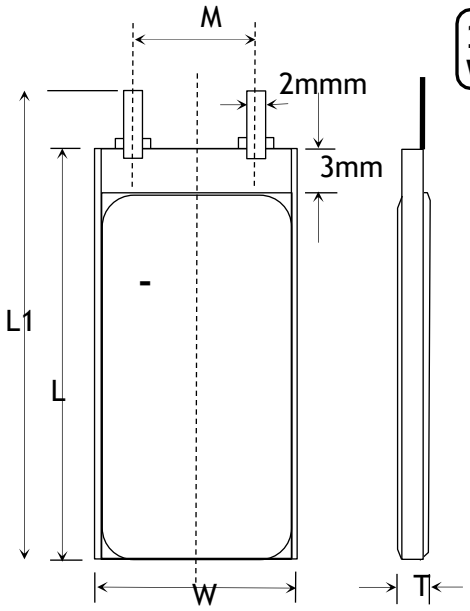
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 405385 |
| 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 YEAR WARRANTY**




| Item | Parameter (mm) |
|---|---|
| T | 4 |
| W | 53 |
| M | 10 |
| L | 85 |
| $L_1$ | 87 |
| BL | 87 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

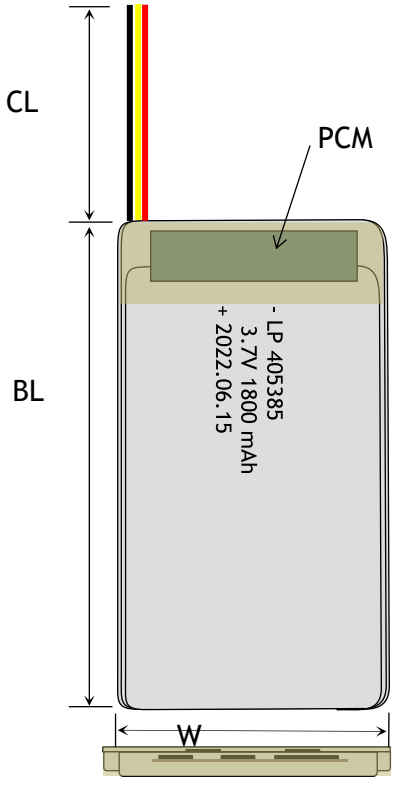
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 87x 53 x 4 mm(L*W*T) |
| Weight | Around 30 g |
| Battery Terminals | WC/ FL * |



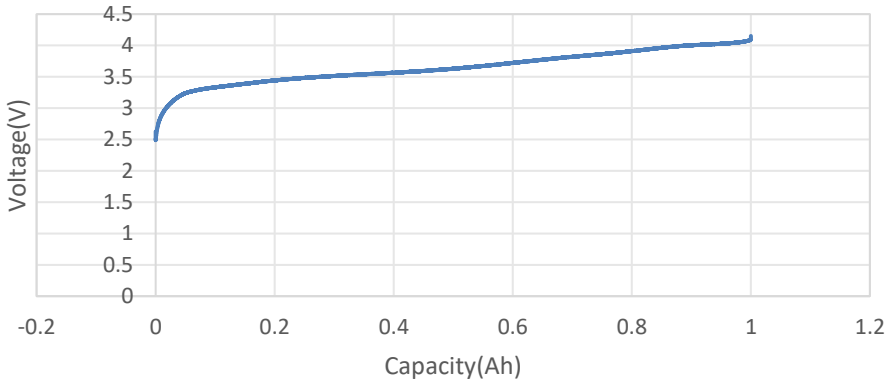

## CERTIFICATION

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

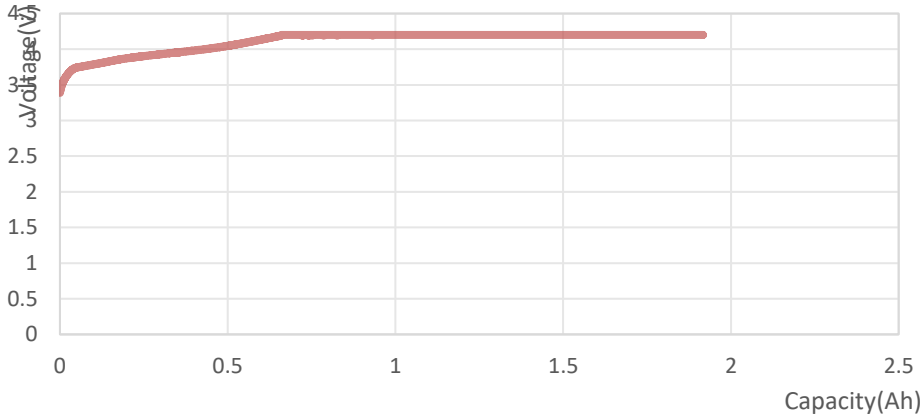
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

# RELATIVE CURVES

## 0.2C Discharge Characteristics Curve




## 1C Discharge Characteristics Curves




# ANNOUNCEMENT

- Periodically check that the battery connectors and cables are intact.
- Do not open the battery system or modules unless you have a risk assessment, training and permission.
- NEVER use extension cords, power strips, or multi-plugs while charging Li-Ion and LiPo batteries or equipment. Plug the charging cord directly into a wall electrical outlet. Note: only charge one battery or device at a time per outlet.
- Avoid using unauthorized charging devices.
- Be careful of the polarity when connecting and disconnecting batteries.
- 3.6V~3.9V range. Always store your LiPo pack in a safe and non flammable container away from flammable objects.
- Avoid exposing the battery to high humidity for long periods of time.
- Do not allow the battery to be fully discharged and recharge it promptly to prolong battery life.
- Read and understand the battery's instruction manual carefully before use.
- Charging with higher current than recommended value may cause damage to cell electrical, mechanical and safety performance and could lead to heat generation or leakage.
- Be aware that many of the more expensive LiPo chargers will automatically detect the cell count of the battery being charged; cheaper chargers will require a manual setting.