# 3.7V Lithium Polymer Battery Data Sheet

Model:  403441

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number:  A/FP3441-6491

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/

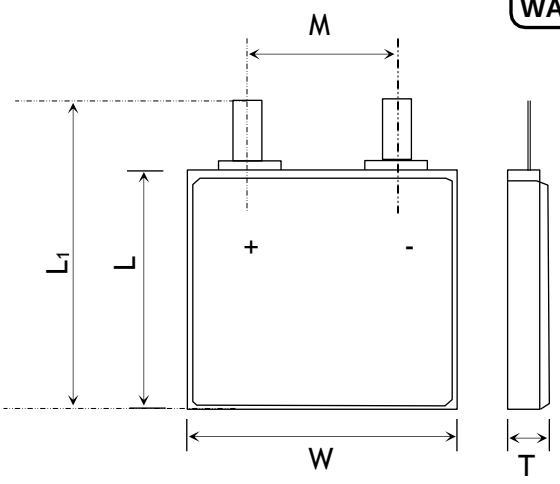
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 403441 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 560 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 | 4 |
| W | 34 |
| M | 10 |
| L | 41 |
| $L_1$ | 43 |
| BL | 43 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

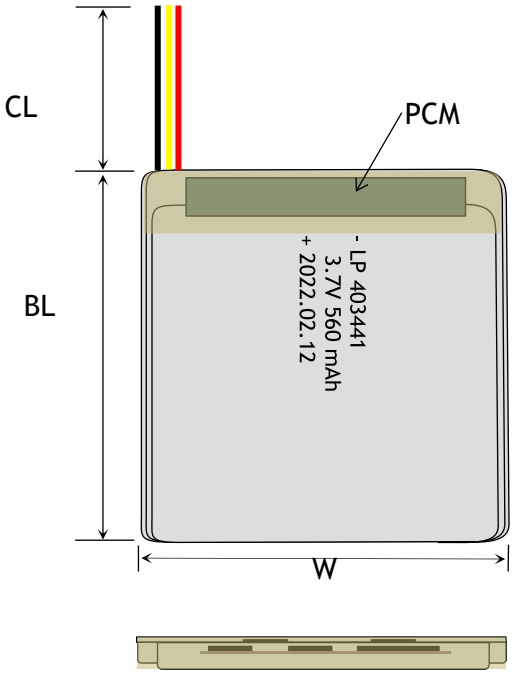
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 43x 34 x 4 mm(L*W*T) |
| Weight | Around 9 g |
| Battery Terminals | WC/ FL * |

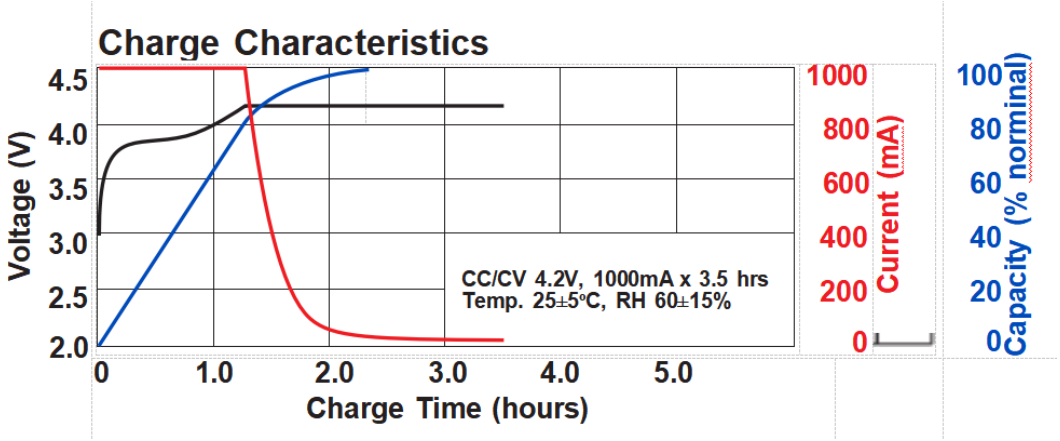


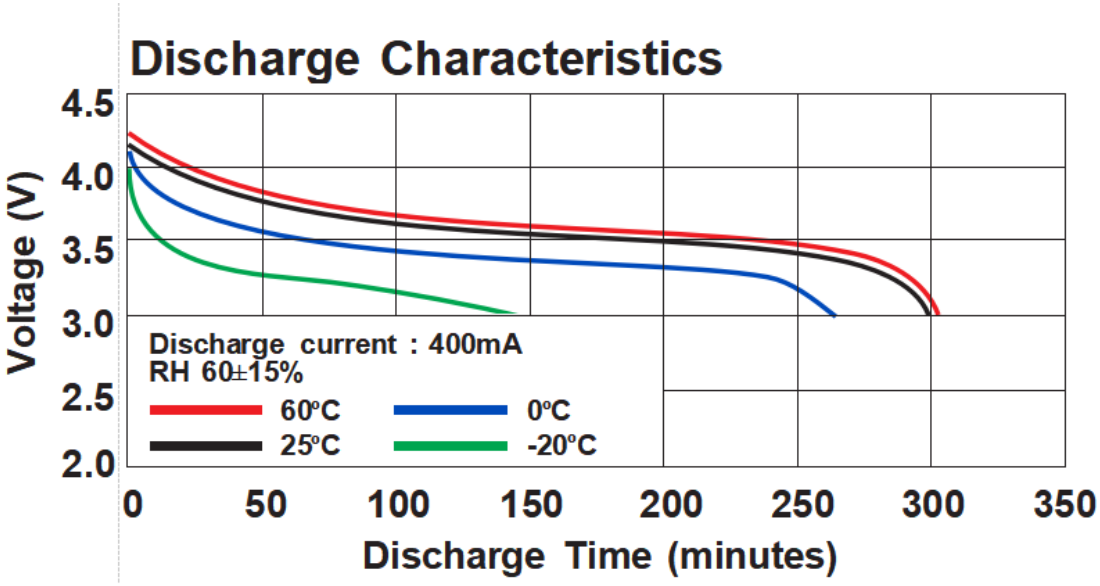

## CERTIFICATION

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

- Higher cell voltage during storage will increase the self-discharge rate of the battery, which may lead to over-discharge and deteriorate battery performance. It is recommended that the battery remain at a lower voltage (about 3.8V/cell) throughout the period of storage. If the battery is to be stored for longer than one year, the user should charge the battery at least once per year to 3.8V/cell to prevent over-discharge.
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- Take maximum care when handling and installing LiPo batteries made of flexible aluminum packaging in your model. These batteries are quickly damaged on sharp edges or spikes.
- DO NOT make or build your own charging circuit.
- Avoid prolonged use of the battery until depleted.
- Maintain the minimum quantity of batteries possible.
- Store dust free and dry and protect from moisture
- Do not attempt to disassemble or repair the battery.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Avoid prolonged use of the battery until depleted.
- NEVER continue to charge a device or a battery after it is fully charged, unless the manufacturer’s instructions for the charger and the battery specifically state that it is allowed.