# 3.7V Lithium Polymer Battery Data Sheet

Model:  403653

Please Find More:

https://www.fpbattery.com/3-7v-750mah-lithium-polymer-battery/

File Number:  A/FP3653-11704

File Version: 01


CONTACT

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

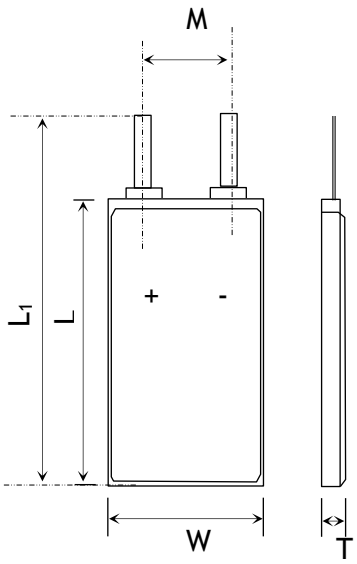
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 403653 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 765 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**



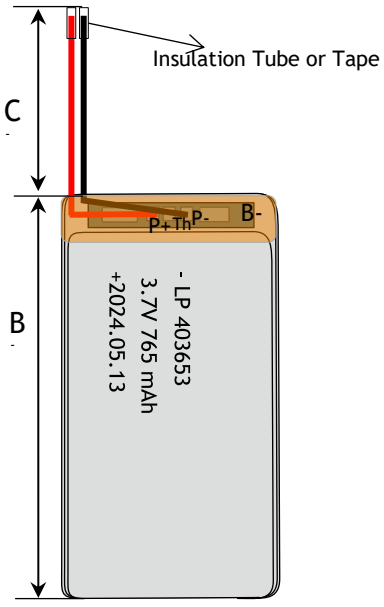

| Item | Parameter (mm) |
|---|---|
| T | 4 |
| W | 36 |
| M | 10 |
| L | 53 |
| $L_1$ | 55 |
| BL | 55 ± 1 |
| CL | 100 |

## 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 |

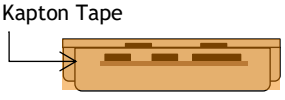
## BATTERY PROTECTION

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




## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 55x 36 x 4 mm(L*W*T) |
| Weight | Around 12 g |
| Battery Terminals | WC/ FL * |



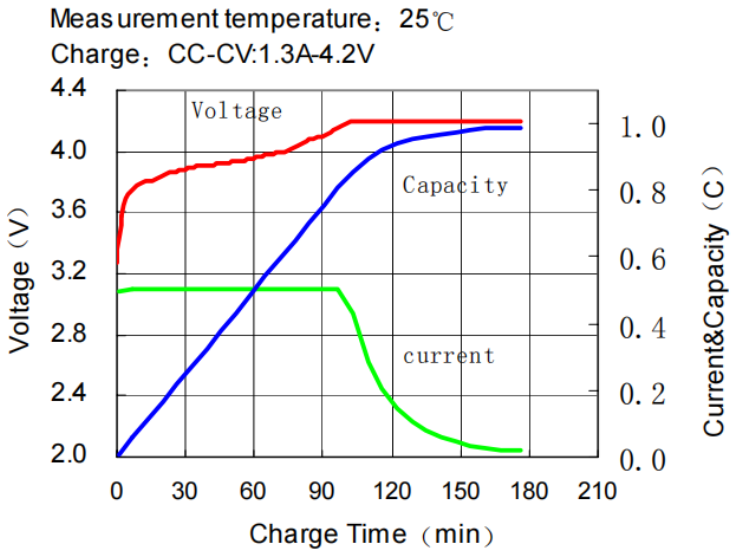

## CERTIFICATION

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

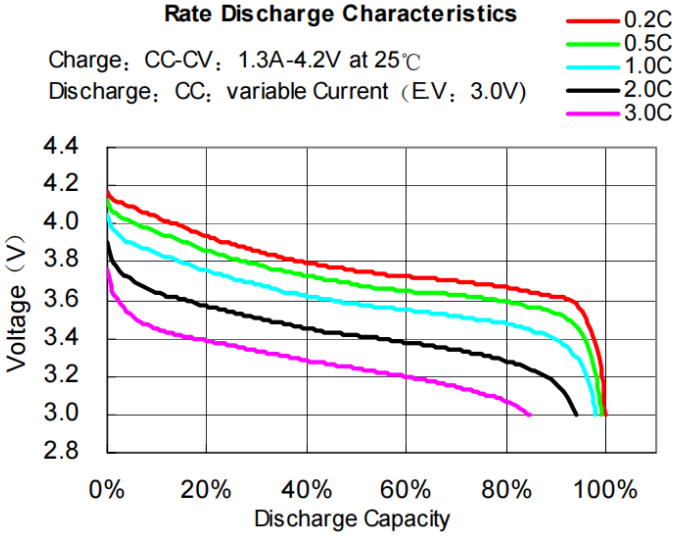
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

# RELATIVE CURVES

**Charge Characteristics**




**Rate Discharge Characteristics**




# ANNOUNCEMENT

- LiPo batteries have very specific charging requirements. Some chargers, such as those used for toys or cellphones, are made to charge a specific cell count and are not configurable for other cell counts. The LiPo charger used must be able to handle the cell count of the battery you arecharging.
- Storing LiPo batteries at temperatures higher than 170°F (76°C) for more than 2 hours may result in battery damage or possibly fire.
- Do not store LiPo batteries in extreme temperatures below 0C or above 50C.
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.
- AVOID storing Li-ion batteries with metal objects, including in a drawer with coins.
- Make sure the device is turned off before disconnecting the power.
- Do not crush or bend the battery.
- Do not place the battery in a microwave or other heating device.
- Never discharge Batteries at amperage rates higher than specified on Batteries' labels
- Always store LiPo pack in a safe and nonGcombustible container away from flammable/combustible materials.
- Use lithium battery safety bags/containers during charging.