# 3.7V Lithium Polymer Battery Data Sheet

Model:  304553

Please Find More:

https://www.fpbattery.com/3-7v-650mah-lithium-polymer-battery/

File Number:  A/FP4553-5842

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

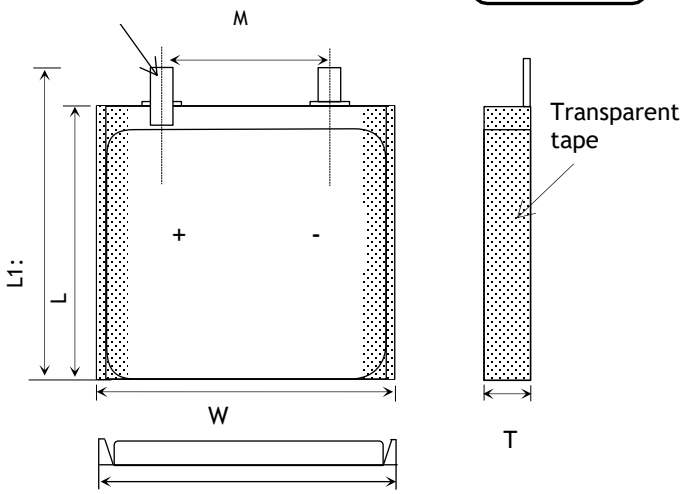
## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 304553 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 715 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**

Inflex and soler




| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 45 |
| M | 10 |
| L | 53 |
| $L_1$ | 55 |
| BL | 55 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

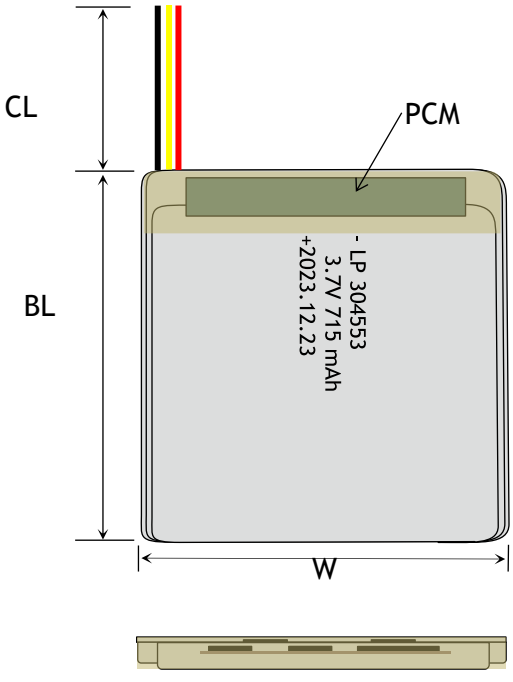
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 55x 45 x 3 mm(L*W*T) |
| Weight | Around 11 g |
| Battery Terminals | WC/ FL * |




## CERTIFICATION

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

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

## BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)




FLYING LEADS (FL)




WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

## 3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator

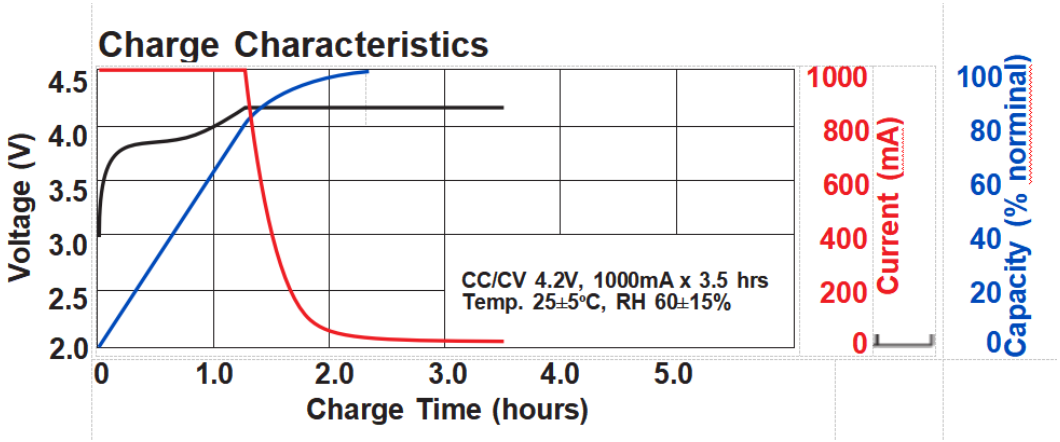


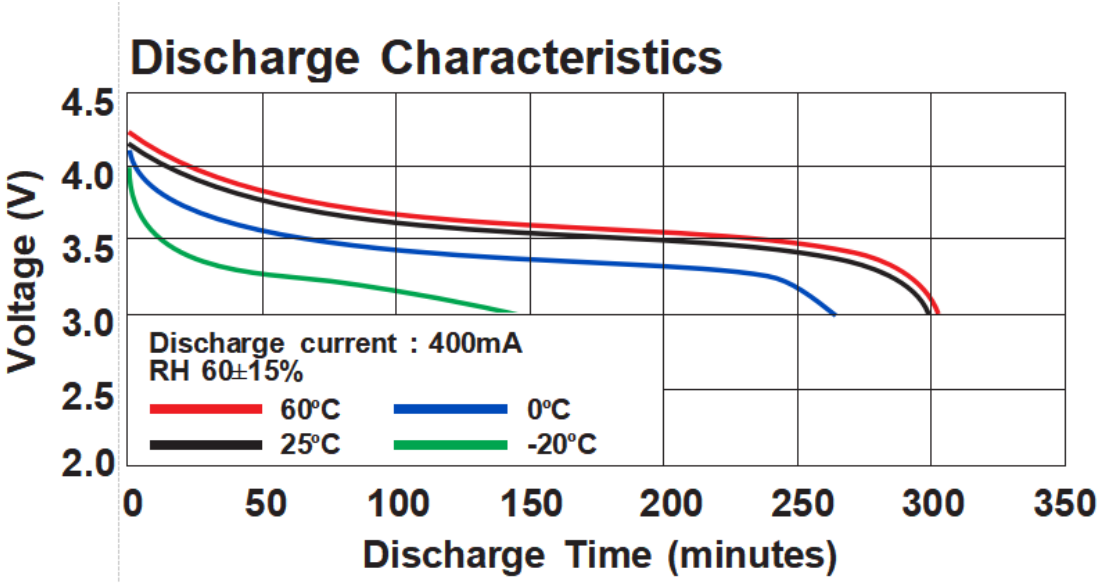
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

# RELATIVE CURVES




# ANNOUNCEMENT

- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- Let batteries cool down prior to charging.
- Avoid using worn and aged batteries.
- Do not submit to static electricity risks tAVOID damages to the Protecting Circuit Board.
- Do not charge LiPo batteries in the model as you can not successfully monitor and move them quickly if necessary.
- 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 discharge battery to a level below 3V per cell under load.
- Batteries should not be carried in pockets as coins, keys and similar metal items can cause shorting leading to overheating, burns or ignition.
- NEVER charge a device under a pillow, on a bed, on a carpet, on a couch, or other combustible material.
- Obtain recycling container from EHRS for all batteries except LiPo.
- Never allow the temperature of Batteries to exceed 120˚F / 49˚C during discharge. Adequate cooling for Batteries is required.