# 3.7V Lithium Polymer Battery Data Sheet

Model:  453334

Please Find More:

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

File Number:  A/FP3334-2647

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

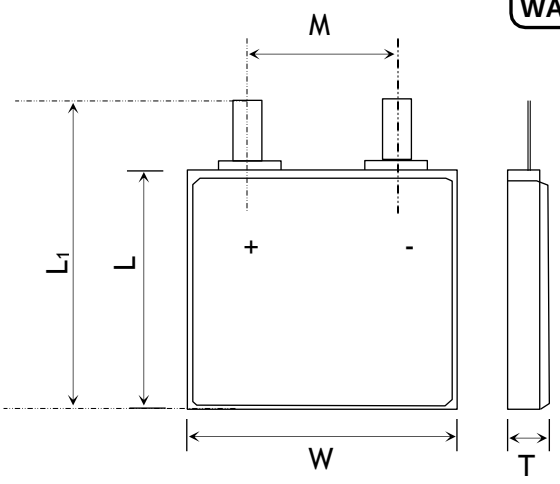
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 453334 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 505 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 | 33 |
| M | 10 |
| L | 34 |
| $L_1$ | 36 |
| BL | 36 ± 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 |

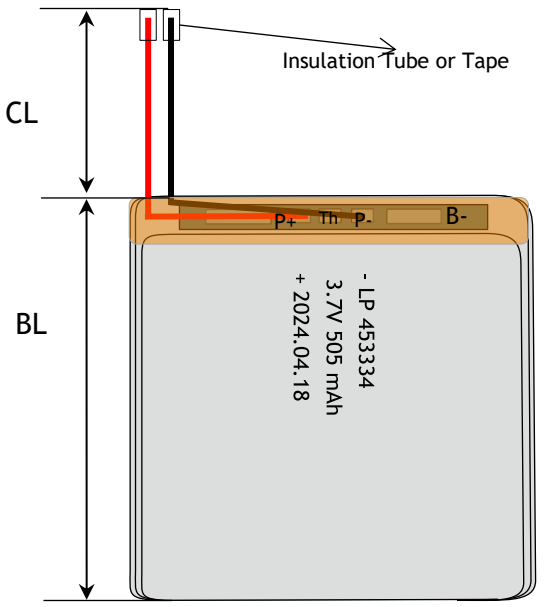
## MECHANICAL SPECIFICATIONS

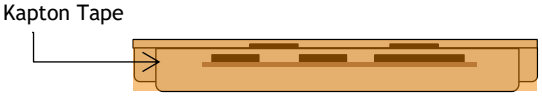
| | |
|---|---|
| Dimensions | 36x 33 x 4 mm(L*W*T) |
| Weight | Around 8 g |
| Battery Terminals | WC/ FL * |

## CERTIFICATION

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

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



## 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

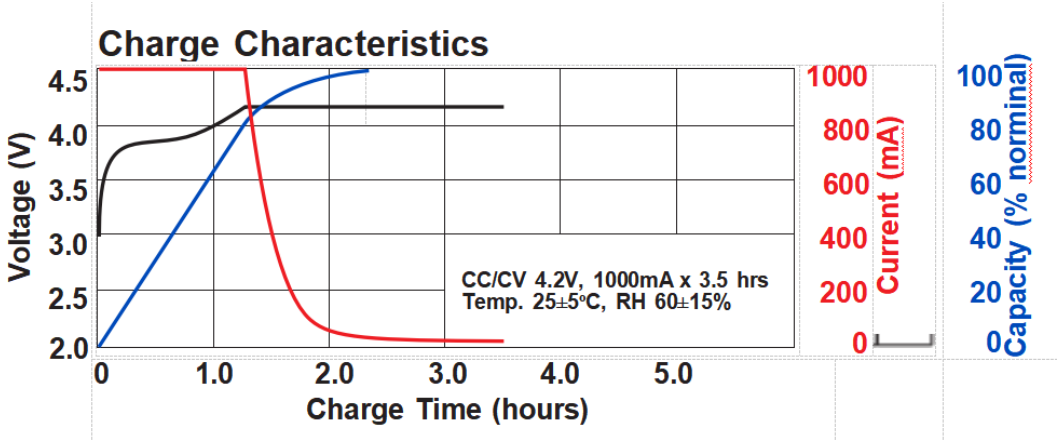


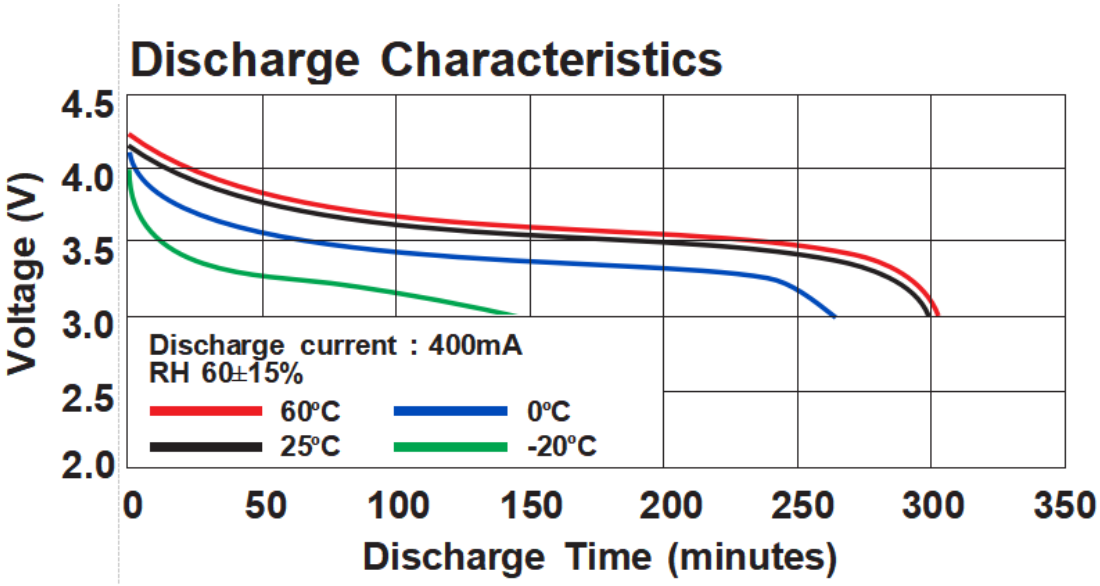
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

# RELATIVE CURVES




# ANNOUNCEMENT

- Discharge Lipo Battery at Environmental temperature : -20˚C~60˚C.
- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.
- DO NOT make or build your own charging circuit.
- Use only a charger designed for charging LiPo batteries. Never use any other type of charger.
- Do not plug and unplug the charger while using the battery.
- Do not use a battery that has been over-discharged.
- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- If you notice hot cells, disconnect the charger and remove any external short circuit if present.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Before starting work, if applicable, understand one-hand working techniques.
- The battery must be charged to an ambient temperature of 10˚C~45˚C.