# 3.7V Lithium Polymer Battery Data Sheet

Model:  355747

Please Find More:

https://www.fpbattery.com/3-7v-900mah-lithium-polymer-battery/

File Number:  A/FP5747-384

File Version: 01


CONTACT

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

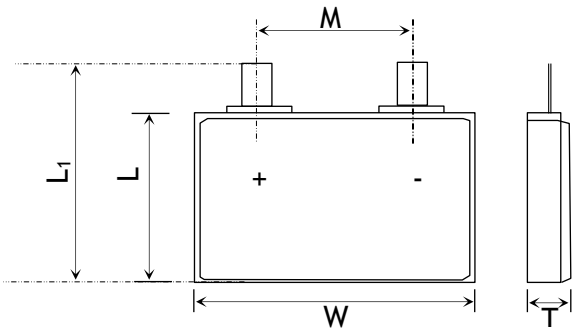
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

**1 YEAR WARRANTY**

| | |
|---|---|
| Part Number | DNK 355747 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 940 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) |



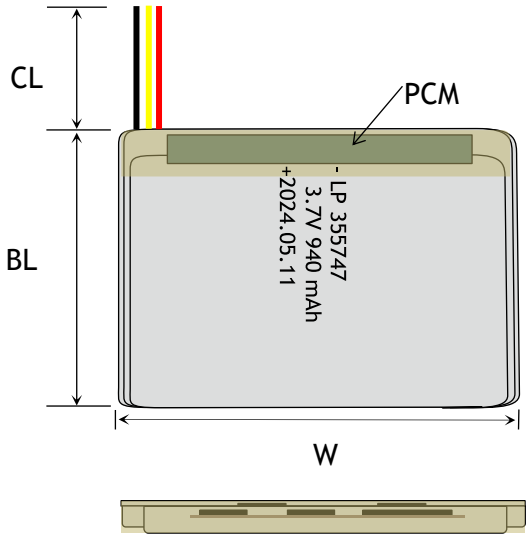

| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 57 |
| M | 10 |
| L | 47 |
| $L_1$ | 49 |
| BL | 49 ± 1 |
| CL | 100 |

## 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 | 49x 57 x 3 mm(L*W*T) |
| Weight | Around 15 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





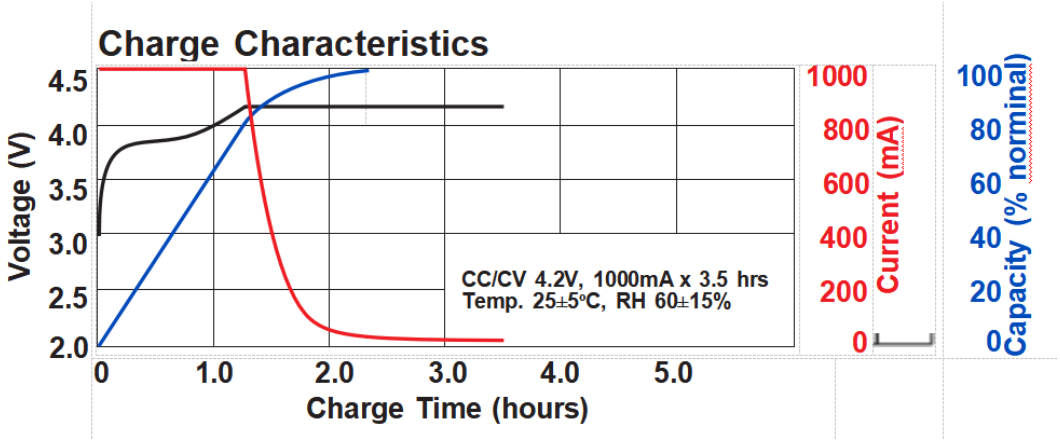


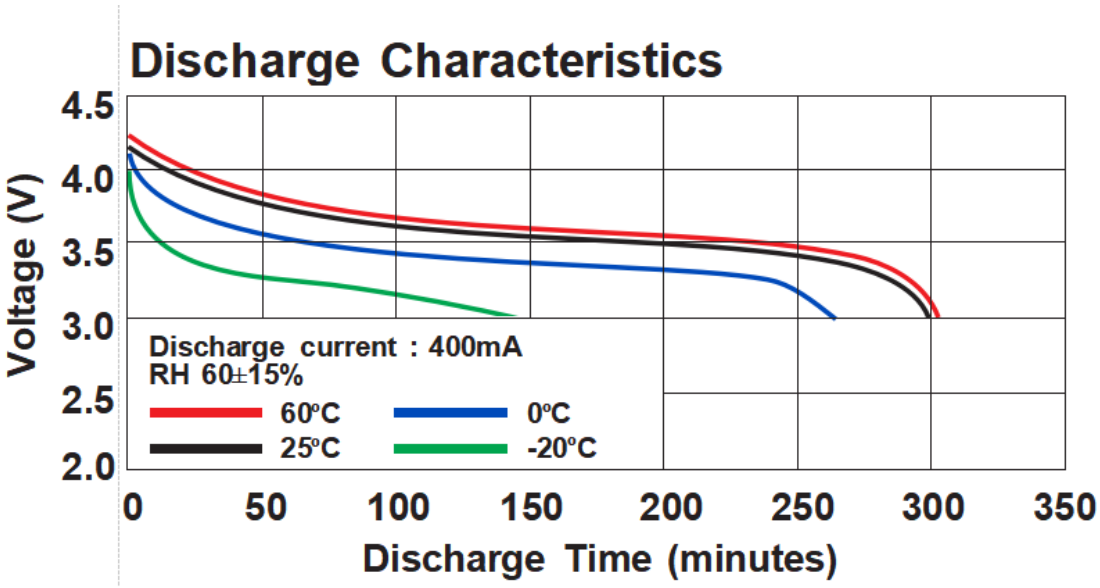
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

# RELATIVE CURVES




# ANNOUNCEMENT

- If charging indoors, only charge with a smoke detector above where you are charging.
- No charging should take place overnight.
- ALWAYS use the "Balance Charge" setting on your charger. If your charger does not have this feature then don't use it and invest in one that does.
- Do not charge hot cells after use. Warm cells are OK. Always let hot cells cool before charging.
- Never leave a charging LiPo battery pack unattended. Never store batteries inside of an automobile.
- NEVER put Li-Ion or LiPo batteries in the trash.
- Storing LiPo batteries at temperatures higher than 170°F (76°C) for more than 2 hours may result in battery damage or possibly fire.
- Emergency Response and Disposal
- ALWAYS activate the building fire alarm system and call 9-1-1 to notify the fire department.
- ALWAYS store batteries away from heat sources.
- Heat kills Lipos, the hotter a battery gets, the shorter the lifespan will be.