# 3.7V Lithium Polymer Battery Data Sheet

Model: 354398

Please Find More:

https://www.fpbattery.com/1500mah-lithium-polymer-battery/

File Number: A/FP4398-20937

File Version: 01


CONTACT

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

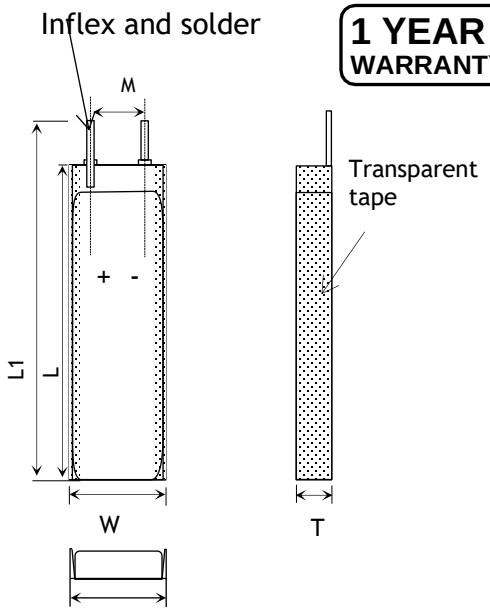
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 354398 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 1500 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 | 3 |
| W | 43 |
| M | 10 |
| L | 98 |
| $L_1$ | 100 |
| BL | 100 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

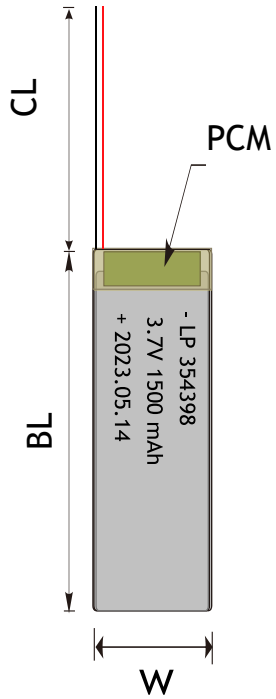
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 100x 43 x 3 mm(L*W*T) |
| Weight | 25 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

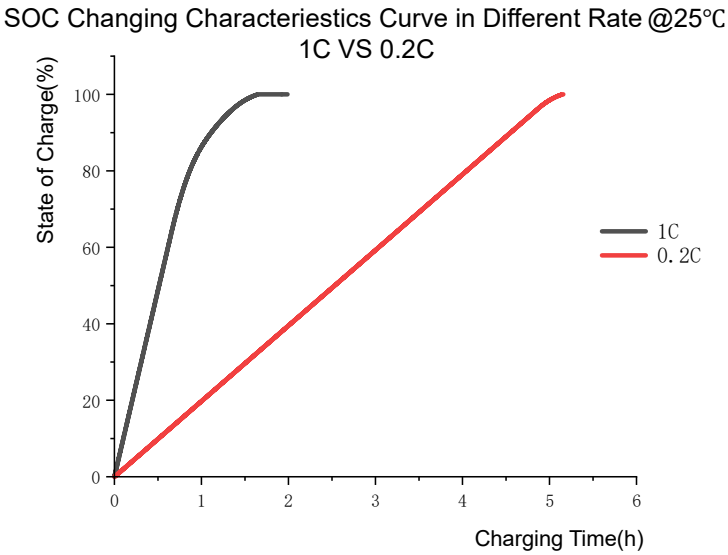


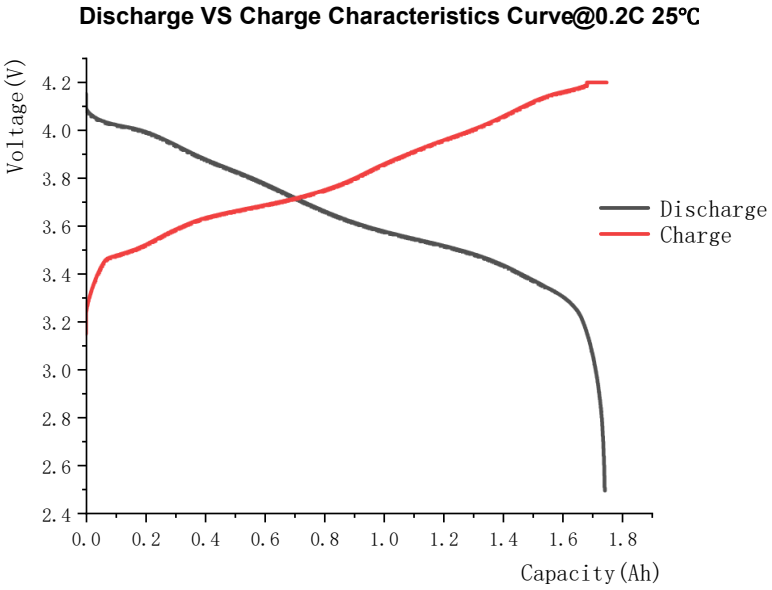
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

# RELATIVE CURVES




# ANNOUNCEMENT

- Do not allow a Lipo battery to get wet
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Avoid prolonged exposure to high temperatures
- ALWAYS tape over the terminals/contacts of each battery (a fire can start if battery terminals come into contact with each other or other metallic items in the area).
- Check the voltage of the pack or cells before charging. Do not attempt to charge any pack if the open voltage is lower than the Lowest Open Voltage. Check the voltage of each cell before charging via the balance connector. If the voltage of any cell is less than 3.0V/cell, remove it from service, and dispose of it properly.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- Do not discharge the battery at a higher current than the maximum continuous discharging current. A higher discharging current may cause overheating which will lead to ballooning, swelling, or possibly result in fire. For example, a 5000mAh battery with a designed maximum 35C discharge current must not have a continuous discharge rate or load of more than 175 Amps. For longer cycle life, a continuous discharging current of 70%-80% of the designed maximum discharging current is acceptable and recommended.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- The battery must be installed in the model on a flat surface.
- Before recycling your defective battery, it must be neutralized. Take a plastic container, fill it with water and add a lot of salt until the water

becomes opaque. Place the LiPo battery in the water and leave for 24 hours. Check with a voltmeter that the voltage is 0.0V.

- Inspect batteries weekly. Look for puffed LiPo battery casing. Monitor temperature.