# 3.7V Lithium Polymer Battery Data Sheet

Model:  356378

Please Find More:

https://www.fpbattery.com/3-7v-1700mah-lithium-polymer-battery/

File Number:  A/FP6378-7189

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/

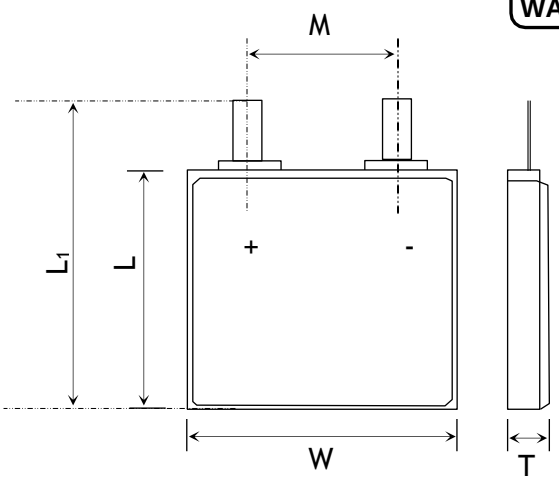
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 356378 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 1700 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**




| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 63 |
| M | 10 |
| L | 78 |
| $L_1$ | 80 |
| BL | 80 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

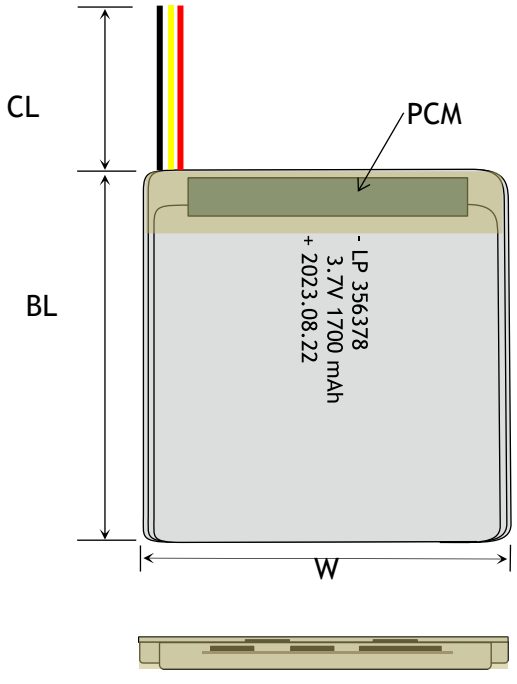
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 80x 63 x 3 mm(L*W*T) |
| Weight | Around 28 g |
| Battery Terminals | WC/ FL * |

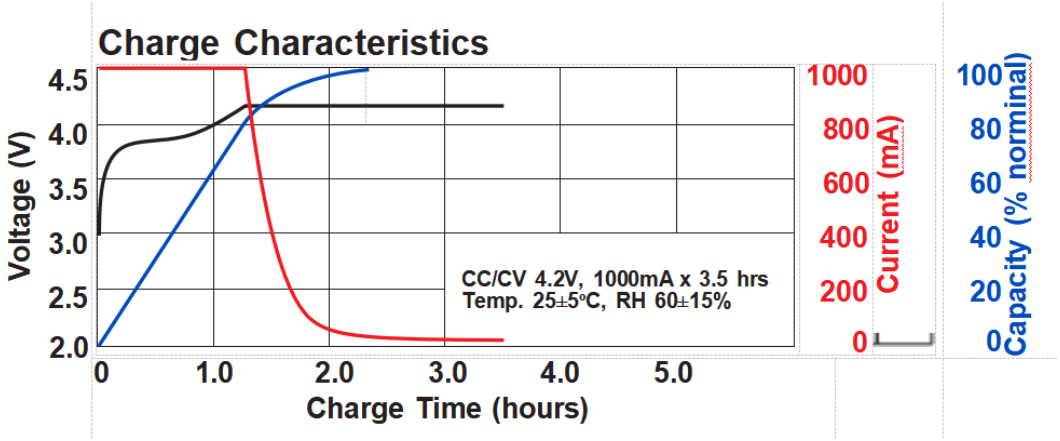


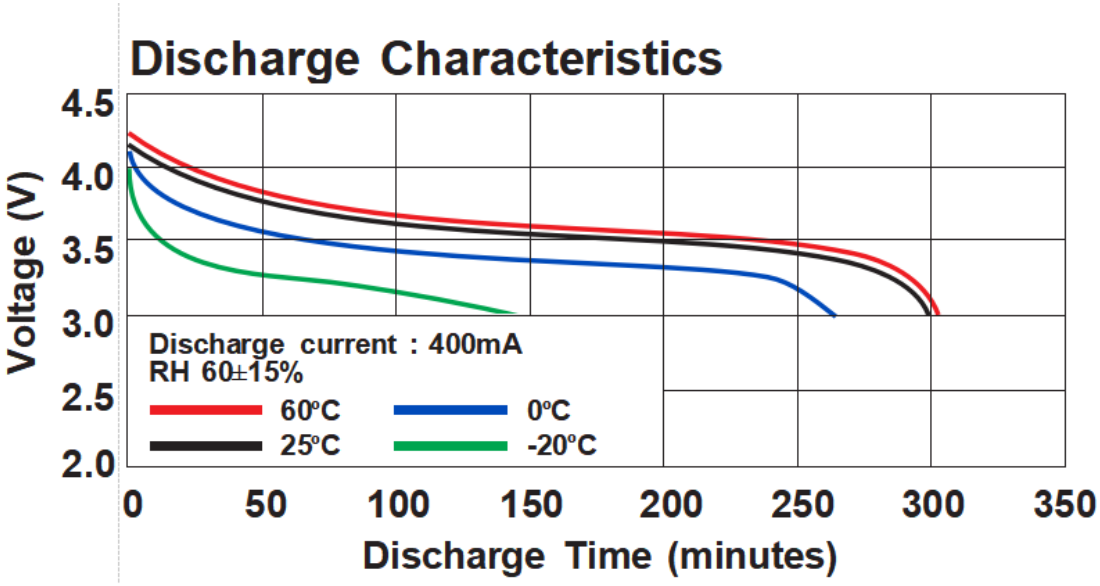

## CERTIFICATION

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

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

# RELATIVE CURVES




# ANNOUNCEMENT

- Use the included charge lead (if applicable) for charging purposes only! DO NOT use the harness as a power adapter. Use of the charging harness as a power adapter may result in overheating of the battery connection resulting in melting of the plastic battery case.
- In premises that also provide sleeping accommodation, serious consideration should be given, wherever practicable, to using timers to control socket outlets used for charging equipment
- Never leave batteries unattended where they can be damaged by someone.
- Before starting work, if you are designing wearables using lithium-ion batteries, make sure they are easily removeable if they start to react while being worn.
- Never expose Batteries to extreme temperatures or direct sunlight. The temperature range must be between 40-120° F (4-49° C).
- Test equipment for short circuits prior to installing batteries.
- Read and understand the battery's instruction manual carefully before use.
- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- Store LiPo batteries at correct voltage (around 3.8 volts).
- ALWAYS locate exits and evacuation routes in your area. Know the location of portable fire extinguishers in the area, and the location of the nearest fire alarm pull station (if the building is equipped with a fire alarm system).
- Charge on non-conductive, non-combustible surfaces.