# 3.7V Lithium Polymer Battery Data Sheet

Model:  354242

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number:  A/FP4242-2045

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/

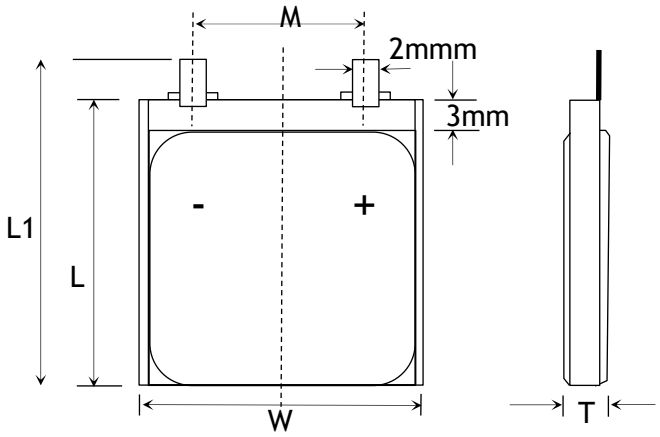
DNK POWER COMPANY LIMITED

## BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | DNK 354242 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 615 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 | 42 |
| M | 10 |
| L | 42 |
| $L_1$ | 44 |
| BL | 44 ± 1 |
| CL | 100 |

## ENVIRONMENTAL SPECIFICATIONS

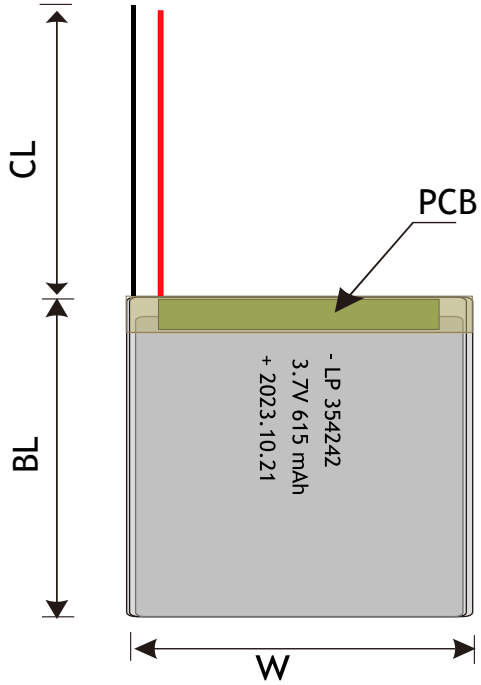
| | |
|---|---|
| Charging Temperature Range | 0 - 45°C |
| Discharging Temperature Range | -20 - 60°C |
| Storage Period 1 Week | -20 - 45°C |
| Storage Period 1 Month | -10 - 45°C |
| Storage Period 6 Months | 0 - 35°C |

## BATTERY PROTECTION

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

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 44x 42 x 3 mm(L*W*T) |
| Weight | Around 10 g |
| Battery Terminals | WC/ FL * |

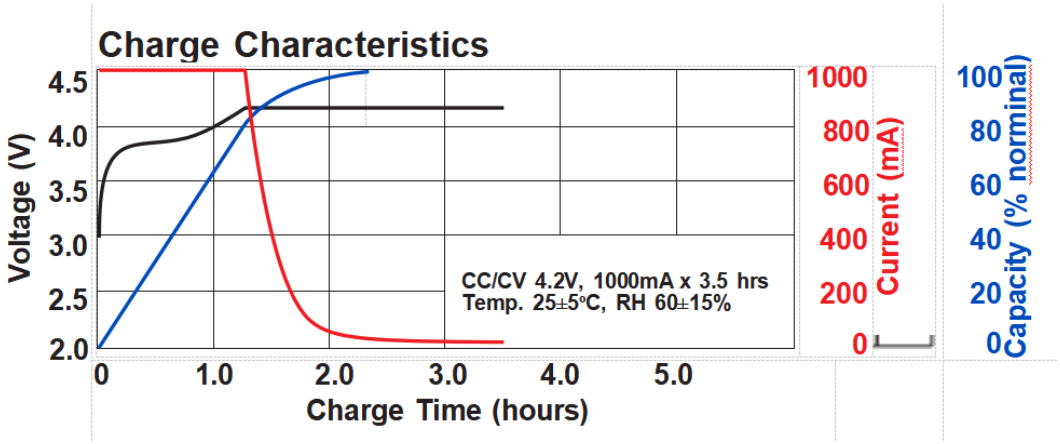


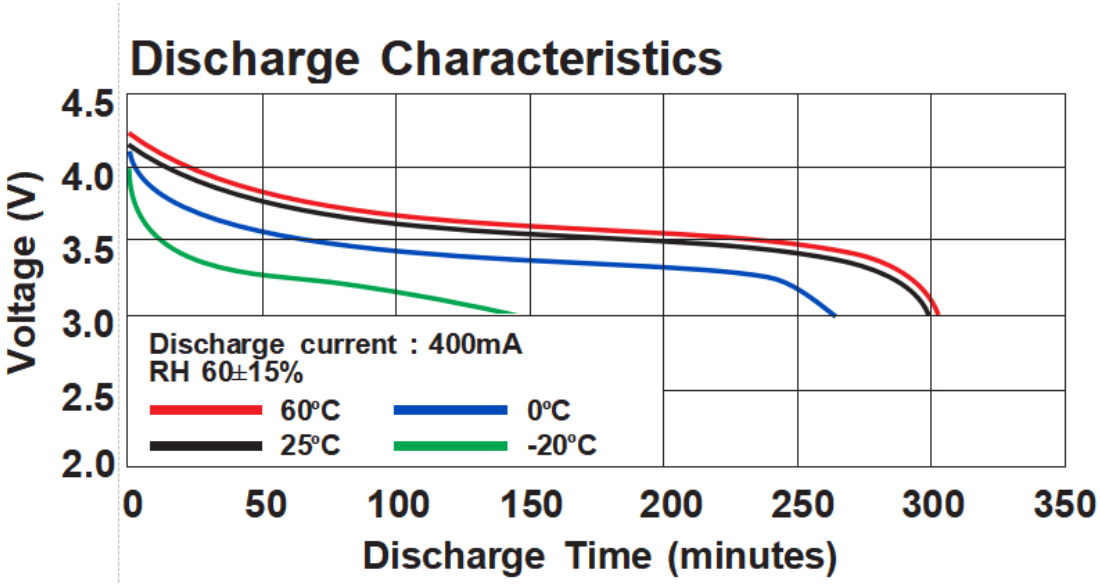

## CERTIFICATION

| | |
|---|---|
| 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

- Do not charge the battery without supervision.
- Every time a battery is not used actively (e.g. for more than 3 days), it should be placed in the storage area tAVOID being damaged and becoming unsafe.
- Emergency Response and Disposal
- Charge on non-conductive, non-combustible surfaces.
- Exercise caution with new products like E-Scooters where all safety considerations may not be recognized or that may encourage cheap knock-offs built without adherent to safety standards.
- Never leave a battery unattended while charging. Only charge LiPo batteries with chargers specifically designed to charge LiPo batteries. NEVER use a NiMH or NiCd charger. Battery temperatures should not be allowed to fall below 32˚F (0˚C) or exceed 113˚F (45˚C) .
- Do not vibrate the battery excessively.
- Avoid crushing or excessive pressure on the battery.
- Always charge the LiPo battery outdoors or in a ventilated area away from flammable objects and surfaces.
- NEVER attempt to extinguish this type of fire yourself – portable fire extinguishers have proven to be ineffective in extinguishing Li-Ion and LiPo battery fires.
- Storing LiPo batteries at temperatures higher than 170˚F (76˚C) for more than 2 hours may result in battery damage or possibly fire.