# 3.7V Lithium Polymer Battery Data Sheet

Model:  354560

Please Find More:

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

File Number:  A/FP4560-9182

File Version: 01


CONTACT

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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 354560 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 945 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) |

## 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 |

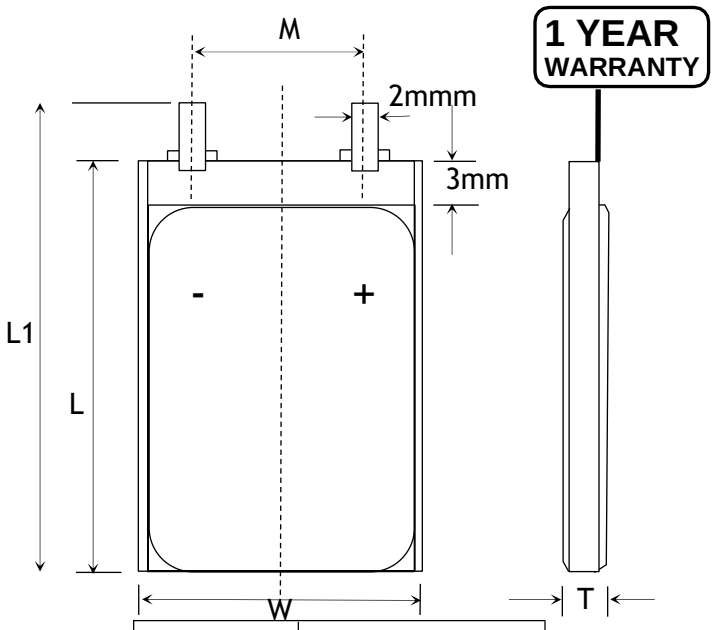
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 62x 45 x 3 mm(L*W*T) |
| Weight | Around 15 g |
| Battery Terminals | WC/ FL * |

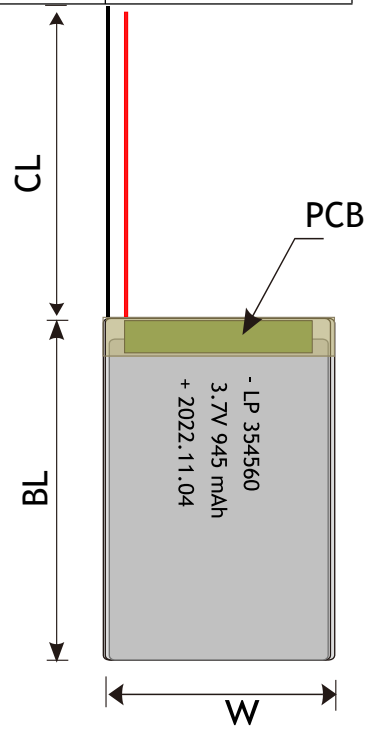
## CERTIFICATION

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

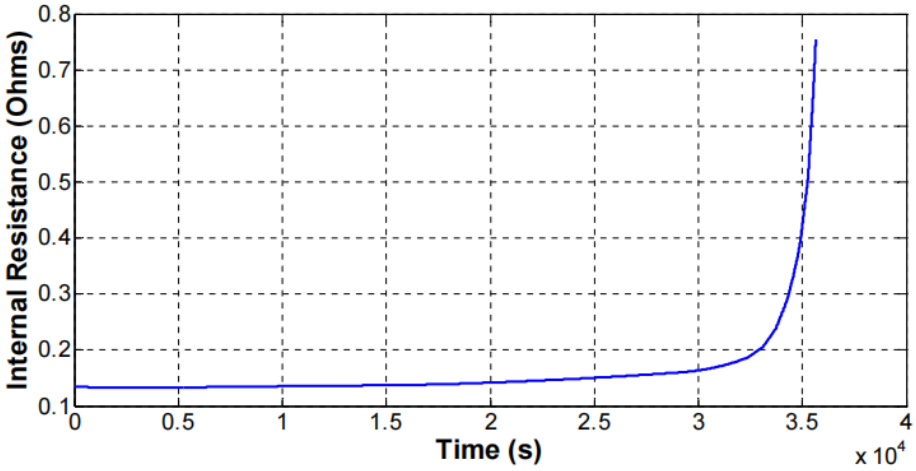
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

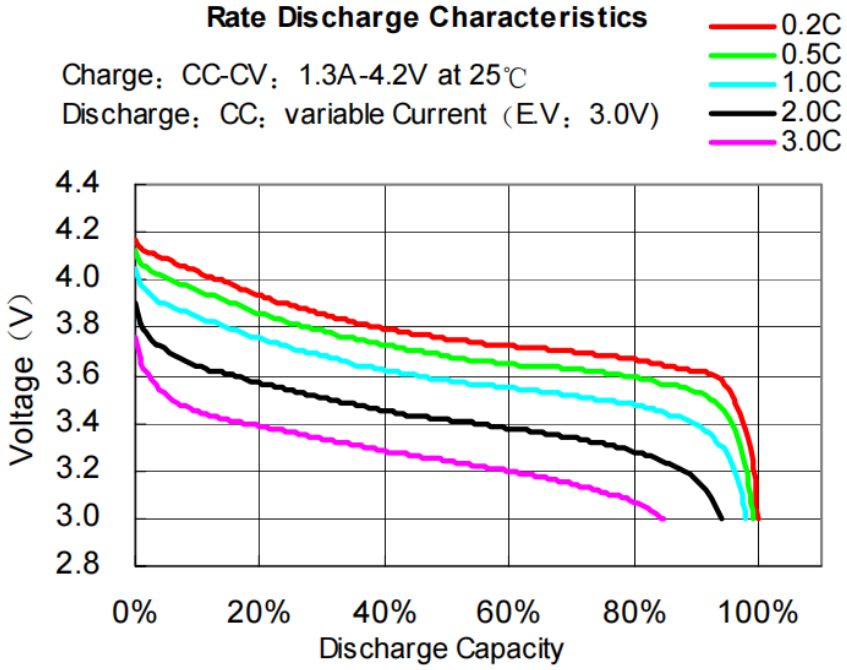



| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 45 |
| M | 10 |
| L | 60 |
| $L_1$ | 62 |
| BL | 62 ± 1 |
| CL | 100 |



# RELATIVE CURVES




# ANNOUNCEMENT

- Stop using or charging the battery immediately if the battery becomes or appears damaged, gives off an odor, becomes discolored or deformed, starts to balloon or swell, leaks, exceeds a temperature of 160°F (71°C), or if any other abnormality is detected. Disconnect the battery and observe it in a safe area outside of any building or vehicle and away from any combustible materials. These abnormalities may cause the battery to leak, and the reaction with air may cause the chemical materials inside to ignite. Because delayed chemical reactions may occur (a battery can still ignite even after 10 minutes), you should continue observing the battery for at least 15 minutes as a safety precaution.
- Do not expose the battery to temperature extremes, such as high or low temperatures.
- Always use the appropriate balancer/charger when charging your LiPo battery pack.
- Never charge a LiPo pack that has ballooned or swelled due to over/under charging or from a crash.
- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.
- Keep Lipo batteries away from heal! And direct sunlight, and do not Store ma car during hot weather. Never use a Lipo that is leaking or gives off a strong odor, or has been damaged many way.
- If you notice hot cells, disconnect the charger and remove any external short circuit if present.
- Avoid using batteries that have exceeded their service life.
- When replacing batteries, make sure to use batteries of the same type, size and brand.
- Always store LiPo pack in a safe and nonGcombustible container away from flammable/combustible materials.

- Avoid storing unused batteries for long periods of time, and perform regular battery maintenance and charging.