# 3.7V Lithium Polymer Battery Data Sheet

Model:  304560

Please Find More:

https://www.fpbattery.com/3-7v-800mah-lithium-polymer-battery/

File Number:  A/FP4560-9187

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 304560 |
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 810 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) |

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## 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 |

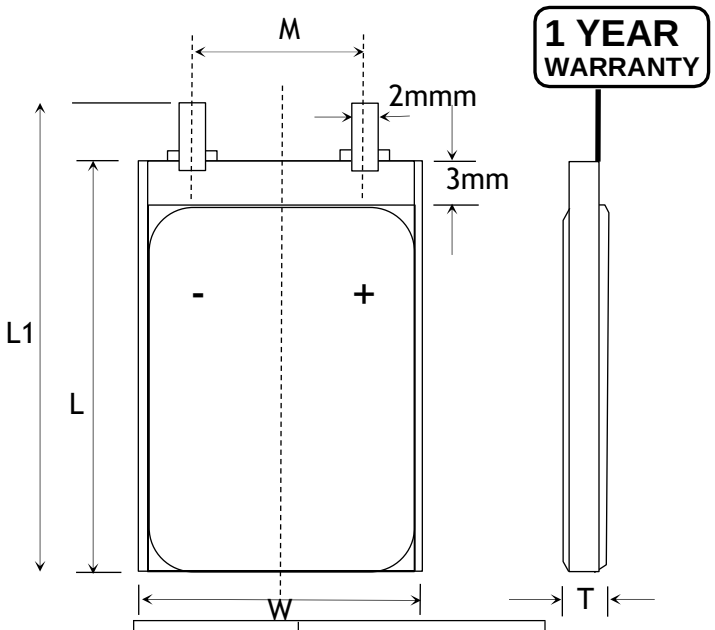
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions | 62x 45 x 3 mm(L*W*T) |
| Weight | Around 13 g |
| Battery Terminals | WC/ FL * |

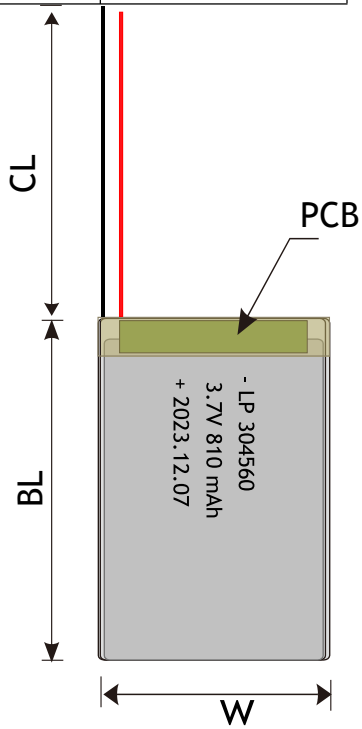
## CERTIFICATION

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

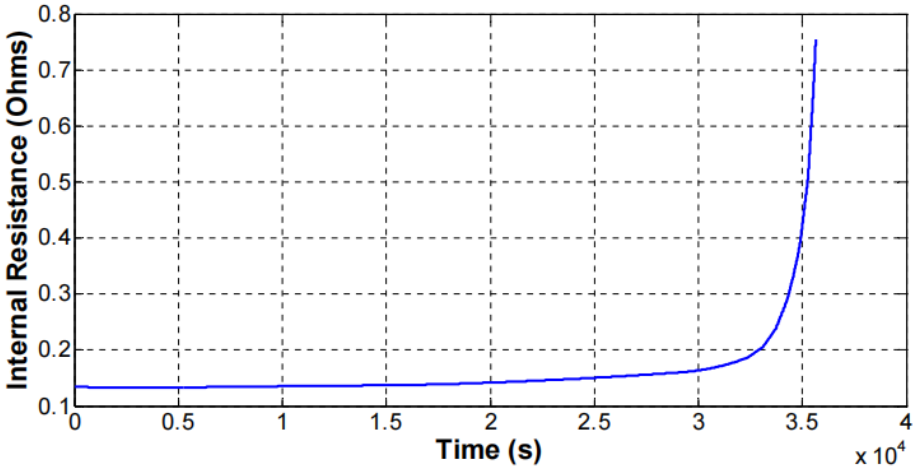
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

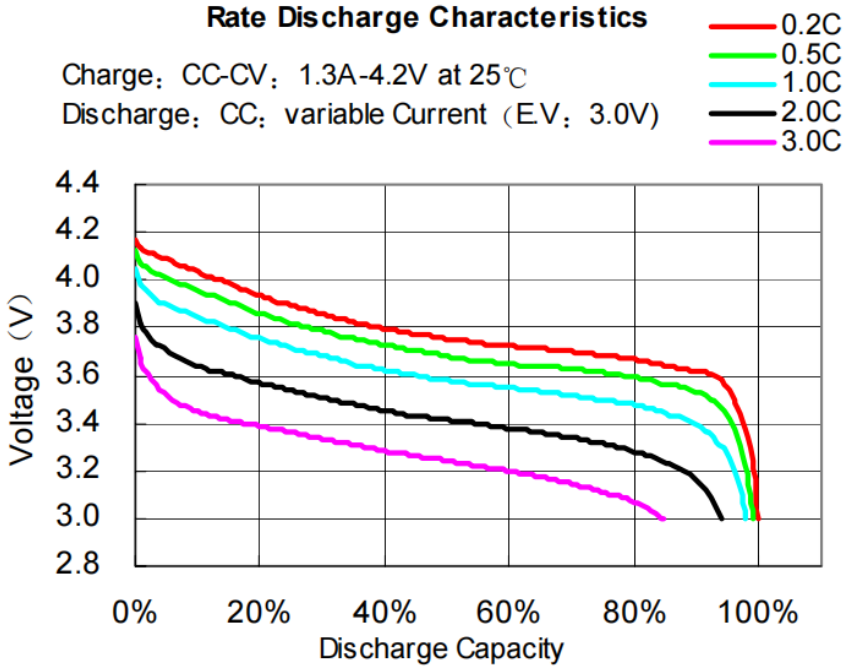



| Item | Parameter (mm) |
|---|---|
| T | 3 |
| W | 45 |
| M | 10 |
| L | 60 |
| $L_1$ | 62 |
| BL | 62 ± 1 |
| CL | 100 |



# RELATIVE CURVES




# ANNOUNCEMENT

- Do not allow a Lipo battery to get wet
- If at anytime you notice a cell "puff up", disconnect it immediately and cover it with a fire blanket, or put it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Be careful of the polarity when connecting and disconnecting batteries.
- Never remove the battery from its protective plastic case.
- Never, under ANY circumstances let the positive and negative battery leads touchThis can lead to cell ballooning, cell damage, fire or an explosion. If you notice your LiPo battery pack is If necessary, put the battery in a non-combustible bucket or container and observe it for 15 minutes . swelling, disconnect the charging device immediately.
- Use only a charger designed for charging LiPo batteries. Never use any other type of charger.
- Always charge the LiPo battery outdoors or in a ventilated area away from flammable objects and surfaces.
- ALWAYS download a copy of the Safety Data Sheet (SDS) for the battery on the manufacturer’s website or by contacting the manufacturer. Review and understand the hazards of the battery before storing, charging, or using.
- Ensure that you choose a regular and reputable supplier before purchasing.
- 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.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).