3.7V Lithium Polymer Battery Data Sheet

Model: 354057

Please Find More:

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

File Number: A/FP4057-10783

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 354057
Nominal Voltage	3.7 V
Nominal Capacity	800 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

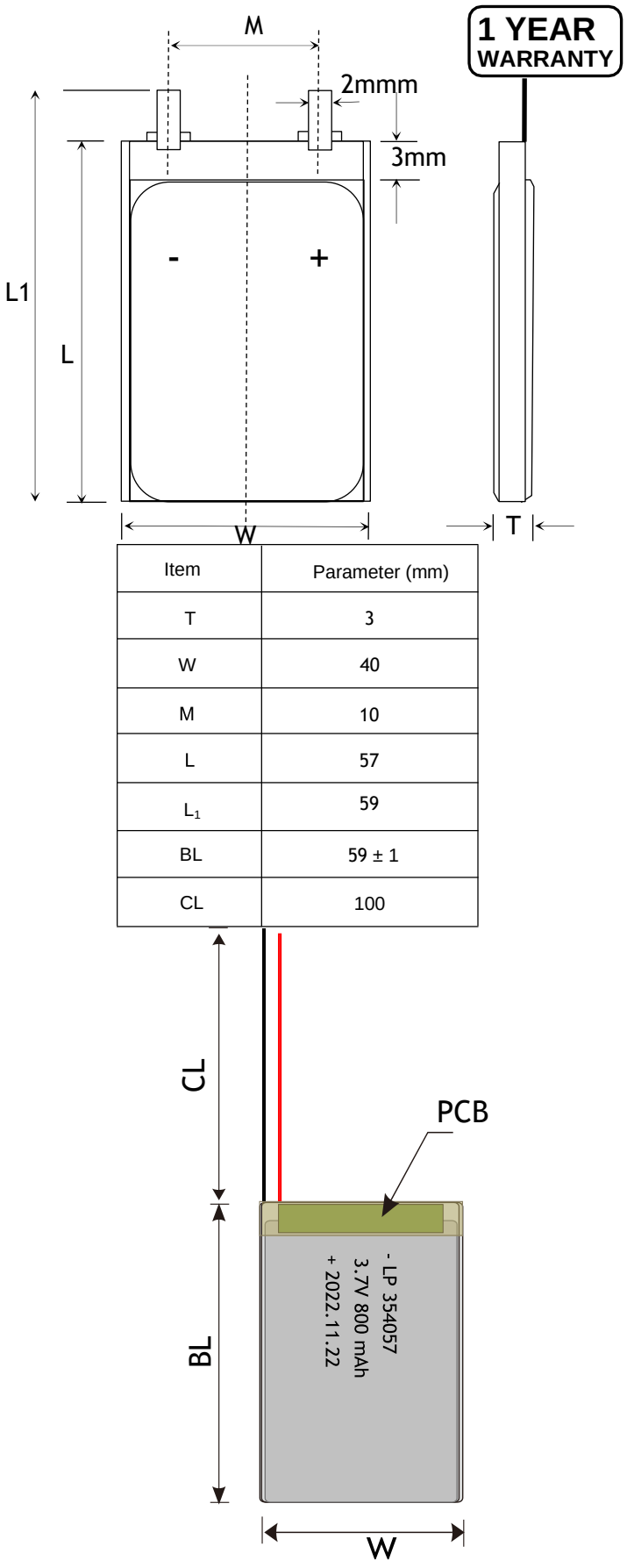
MECHANICAL SPECIFICATIONS

Dimensions	59x 40 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	40
M	10
L	57
L_1	59
BL	59 ± 1
CL	100

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



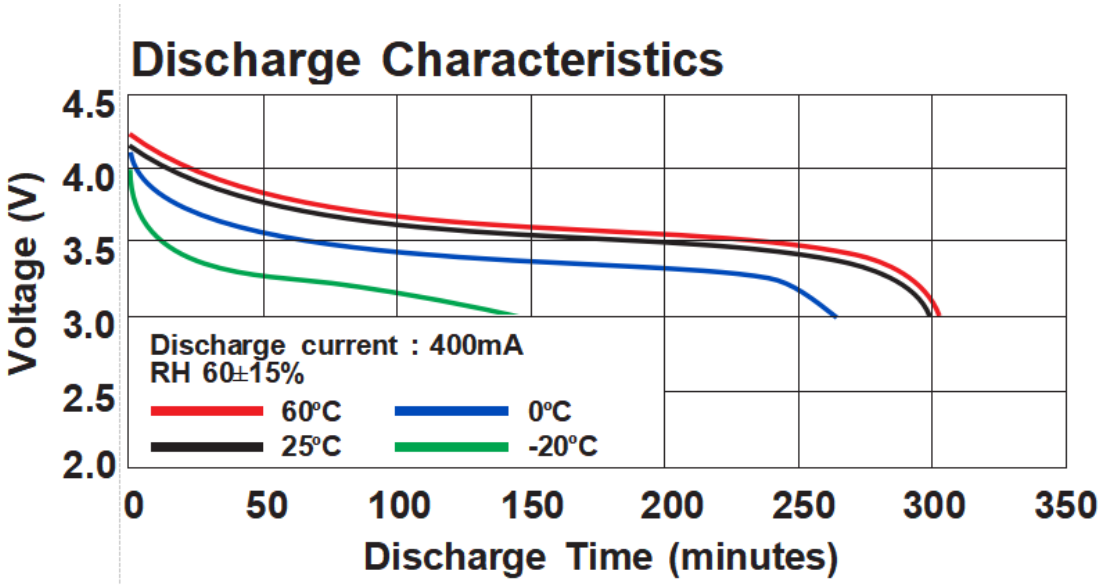


LED Power Indicator



Power Button

RELATIVE CURVES



ANNOUNCEMENT

- The battery should be transported with 10-50% charged states.
- If you start seeing any physical changes to the battery while discharging example puffing, STOP charging immediately and dispose of the battery responsibly.
- Dedicate a battery storage area free of combustible materials.
- Avoid changing the battery frequently during use.
- Obtain sand. Use in bottom of isolation containers and as a smothering agent in case of fire.
- When charging a LiPo battery always use LiPo Safety Bag (Flame retardant).
- The cells shall never be soaked with liquids such as water, seawater drinks such as soft drinks, juices coffee or others.
- Never discharge Batteries at amperage rates higher than specified on Batteries' labels
- Emergency Response and Disposal
- Do not charge LiPo batteries in a vehicle or in the engine compartment of a vehicle.
- Avoid using worn and aged batteries.