3.7V Lithium Polymer Battery Data Sheet

Model: 454057

Please Find More:

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

File Number: A/FP4057-10781

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 454057
Nominal Voltage	3.7 V
Nominal Capacity	1025 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

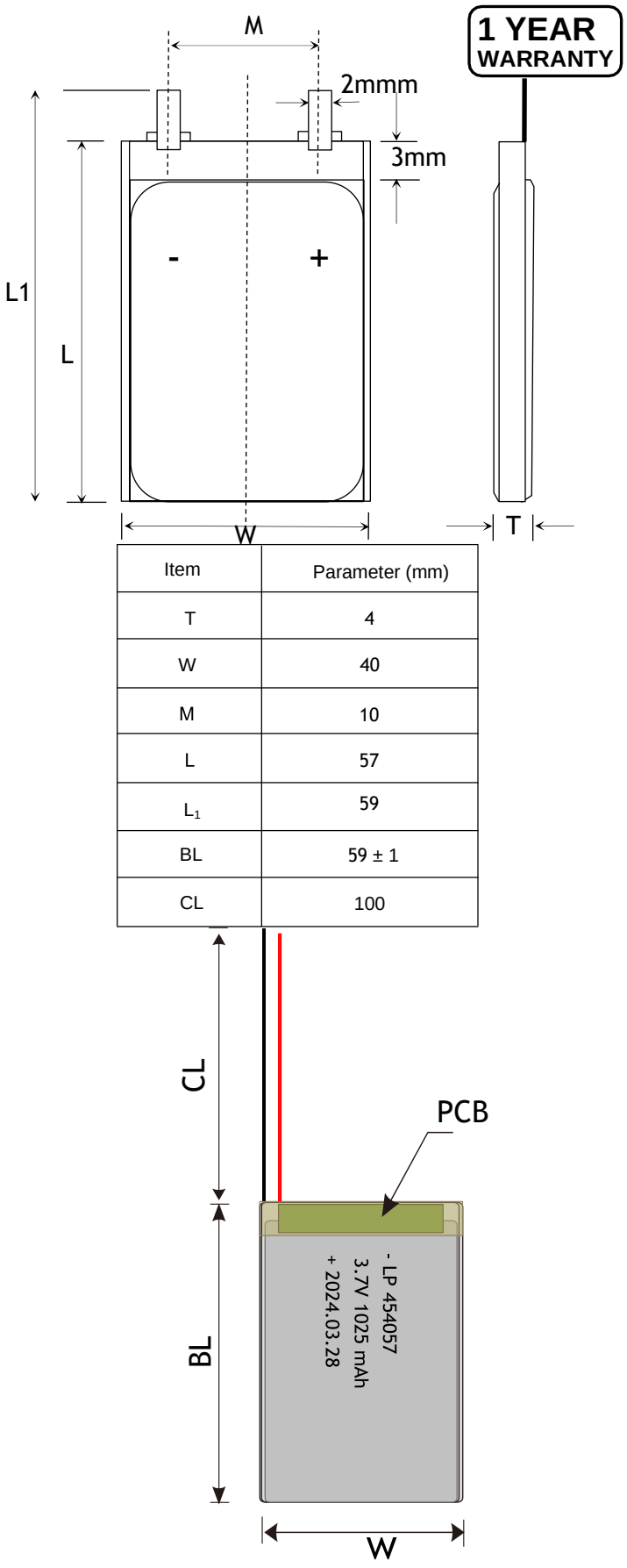
MECHANICAL SPECIFICATIONS

Dimensions	59x 40 x 4 mm(L*W*T)
Weight	Around 17 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	4
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



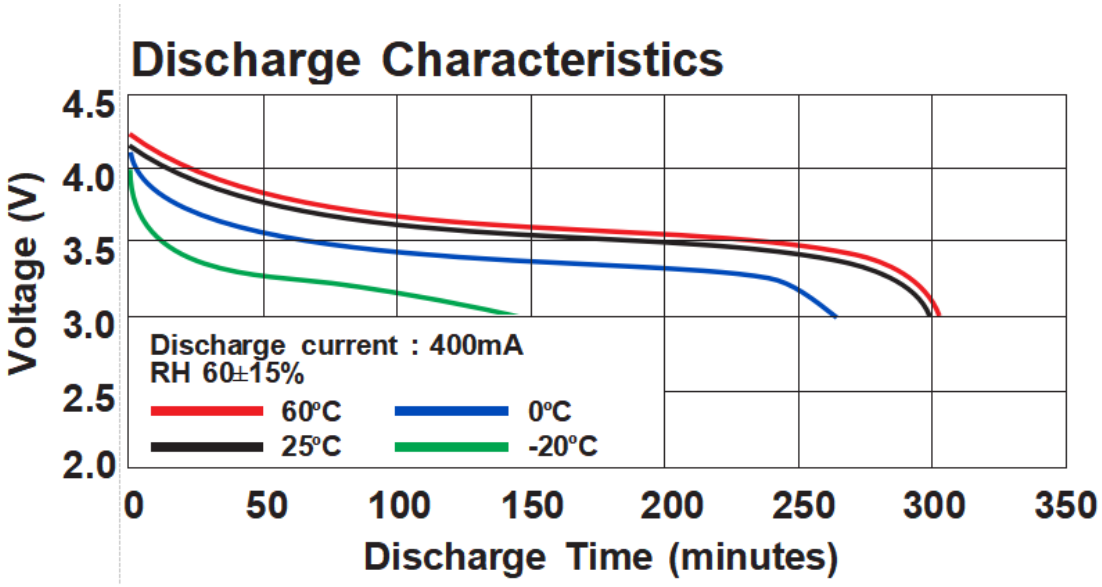


LED Power Indicator



Power Button

RELATIVE CURVES



ANNOUNCEMENT

- Dispose of defective Lipos in accordance with local ordinances and in a safe manner.
- ALWAYS use the correct battery and charger size and type that is specified for the device.
- Never charge the battery at a current exceeding 2C (2 x the capacity of the battery). A higher charge rate may cause fire.
- Only charge LiPo batteries with chargers specifically designed to charge LiPo batteries. NEVER use a NiMH or NiCd charger! Failure to use a proper charger might cause a fire resulting in personal injury and/or property damage. Some LiPo chargers on the market may have technical deficiencies which may result in incorrect charging or charging at an improper rate. It is your responsibility to determine that your charger works properly.
- Do not store or use the battery with objects that could cause a short circuit such as coins, metal objects etc.
- Avoid prolonged use of the battery until depleted.
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.
- NEVER use extension cords, power strips, or multi-plugs while charging Li-Ion and LiPo batteries or equipment. Plug the charging cord directly into a wall electrical outlet. Note: only charge one battery or device at a time per outlet.
- 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.
- Never charge the battery at a current exceeding 2C (2 x the capacity of the battery). A higher charge rate may cause fire.
- Place batteries suspected of being damaged into the emergency battery isolation container and monitor temperature.