3.7V Lithium Polymer Battery Data Sheet

Model: 353057

Please Find More:

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

File Number: A/FP3057-18093

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

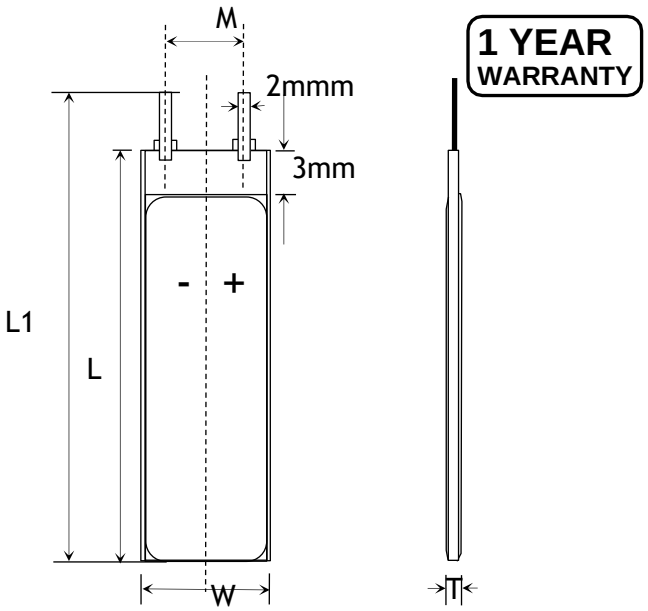
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 353057
Nominal Voltage	3.7 V
Nominal Capacity	600 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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Item	Parameter (mm)
T	3
W	30
M	10
L	57
L_1	59
BL	59 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

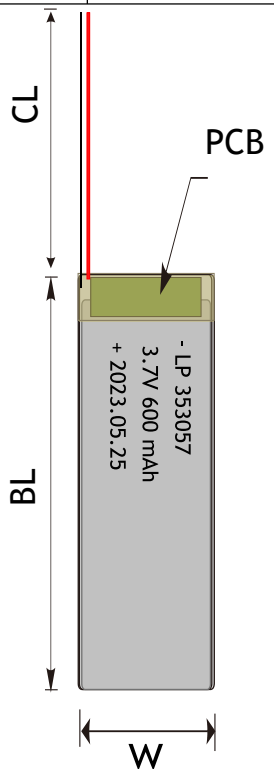
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	59x 30 x 3 mm(L*W*T)
Weight	Around 10 g
Battery Terminals	WC/ FL *

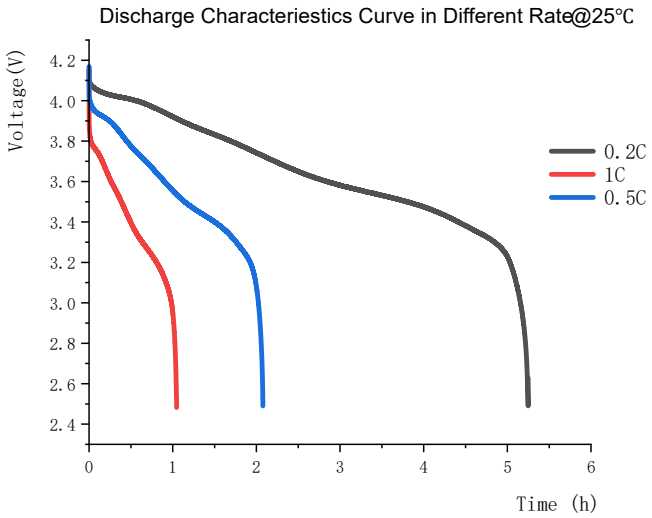


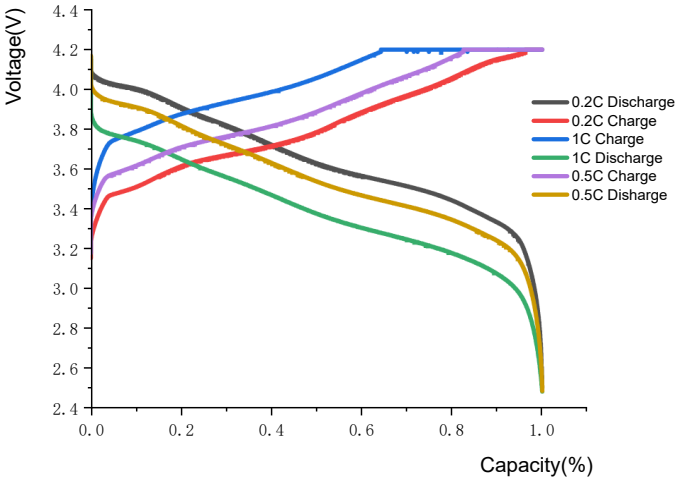
CERTIFICATION

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

- Although protective electronics built into the battery should prevent overcharging, such a battery management system can fail- for example if the charger is not suitable and thus unattended charging is always a source of danger.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- A 1s or 1 cell LiPo battery has a nominal voltage of 3.7V. When fully charged it has a maximum voltage of 4.2V. When fully discharged, it should never go below 3.0V without risking cell damage.
- ALWAYS close the door to the room or space.
- Never burn, overheat, disassemble, short-circuit, solder, puncture, crush or otherwise mutilate battery packs or cells.
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.
- If charging indoors, only charge with a smoke detector above where you are charging.
- Never charge Batteries inside of the model.
- Test equipment for short circuits prior to installing batteries.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.