3.7V Lithium Polymer Battery Data Sheet

Model: 454054

Please Find More:

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

File Number: A/FP4054-9491

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/

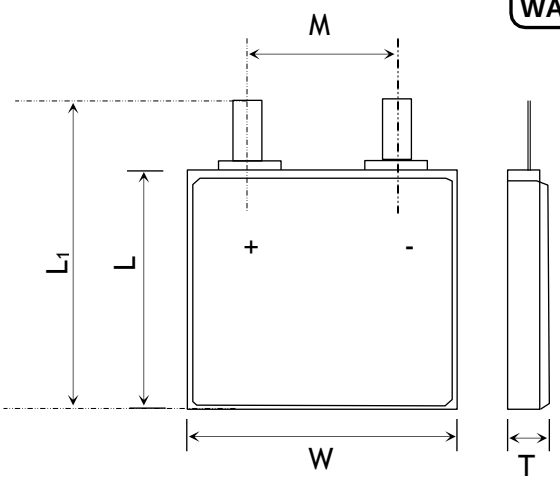
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 454054
Nominal Voltage	3.7 V
Nominal Capacity	970 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)

1

1 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	40
M	10
L	54
L_1	56
BL	56 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

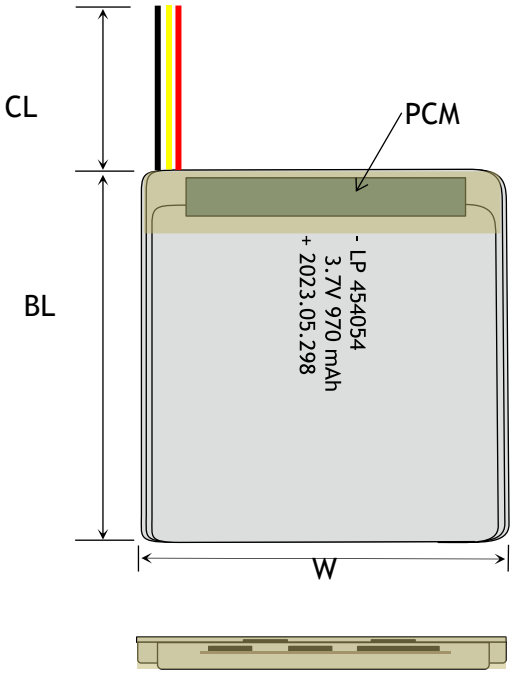
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	56x 40 x 4 mm(L*W*T)
Weight	Around 16 g
Battery Terminals	WC/ FL *

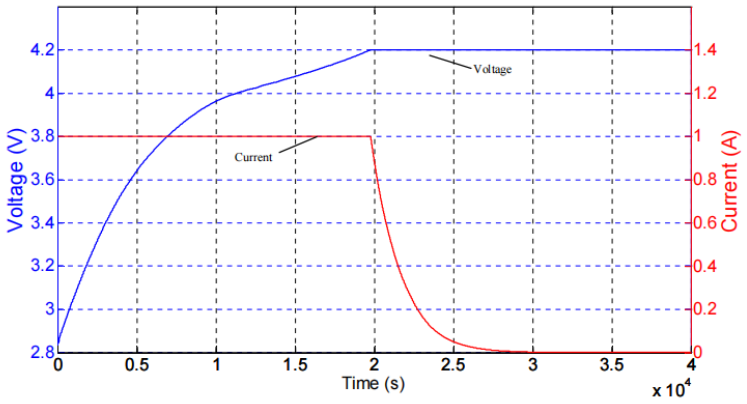


CERTIFICATION

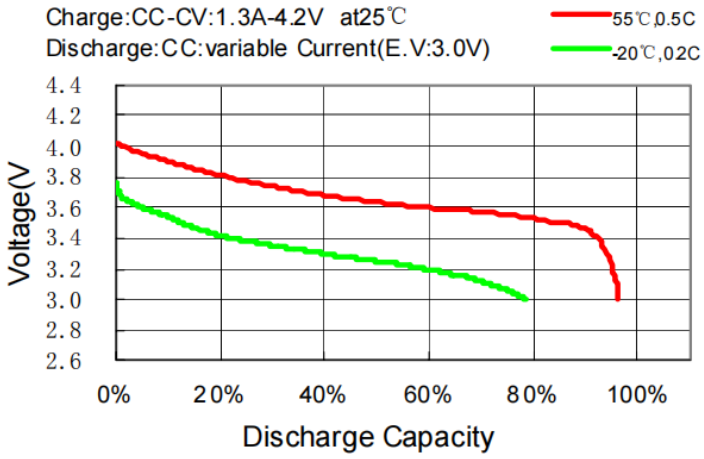
Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES



Discharge Temperature Characteristics



ANNOUNCEMENT

- Ensure that charging leads are connected correctly. Reverse charging can lead to cell damage, fire or explosion.
- NEVER charge batteries at temperatures below 32℉ (0℃) or above 105℉ (40℃).
- Follow all safe operating guidelines and recommendations provided by the manufacturer.
- Never disassemble, modify, puncture, mechanically shock, or short circuit the battery. Leakage, smoke emission, ignition, explosion, or fire, which may result in personal injury and property damage, can occur.
- Never charge Batteries inside of the model.
- Avoid prolonged use of the device with a low battery.
- Do not charge the battery without supervision.
- Discharge the battery to 50% before storing it for an extended period of time.
- If the battery swells during charging, stop charging immediately and disconnect the battery from the charger. Leave the battery outside for a few hours and observe.
- Always charge batteries at a rate of 1c (one (times the capacity unless specified by the manufacturer.
- ALWAYS identify and separate one-time-use batteries from rechargeable batteries.