3.7V Lithium Polymer Battery Data Sheet

Model: 554241

Please Find More:

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

File Number: A/FP4241-1475

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

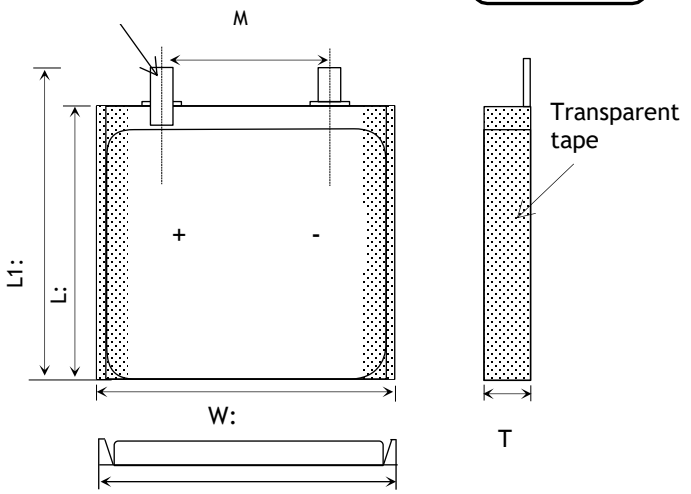
BATTERY SPECIFICATION

Part Number	DNK 554241
Nominal Voltage	3.7 V
Nominal Capacity	945 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

Inflex and soler



Item	Parameter (mm)
T	5
W	42
M	10
L	41
L_1	43
BL	43 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

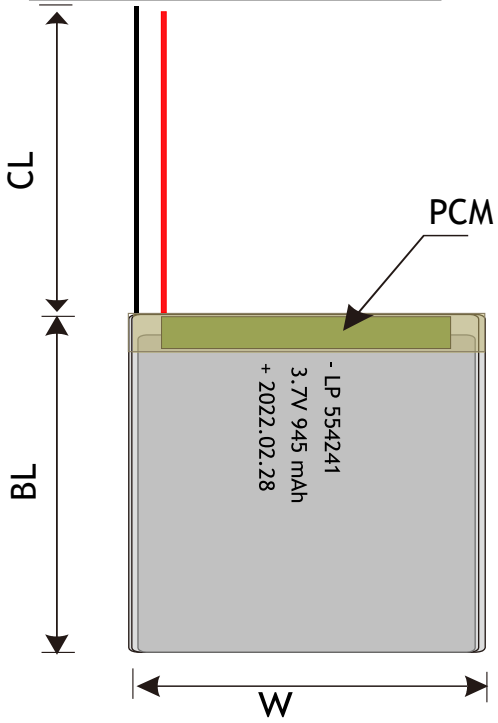
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	43x 42 x 5 mm(L*W*T)
Weight	Around 15 g
Battery Terminals	WC/ FL *

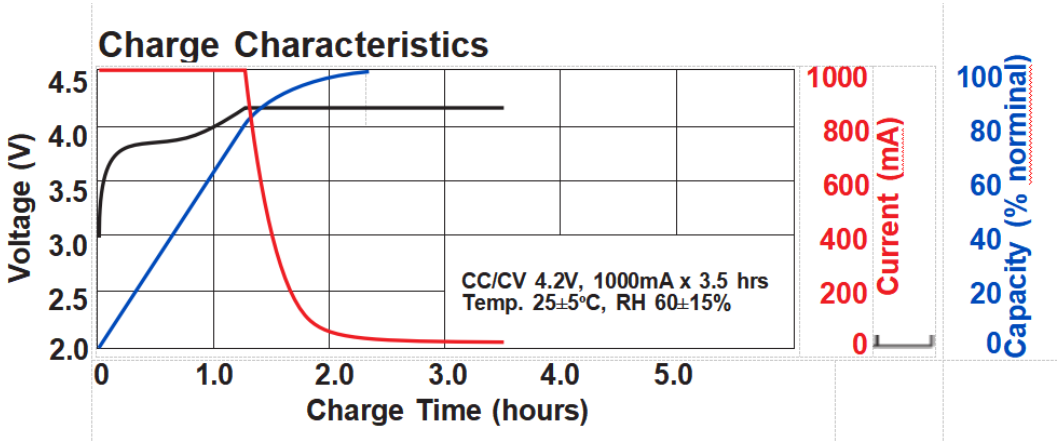


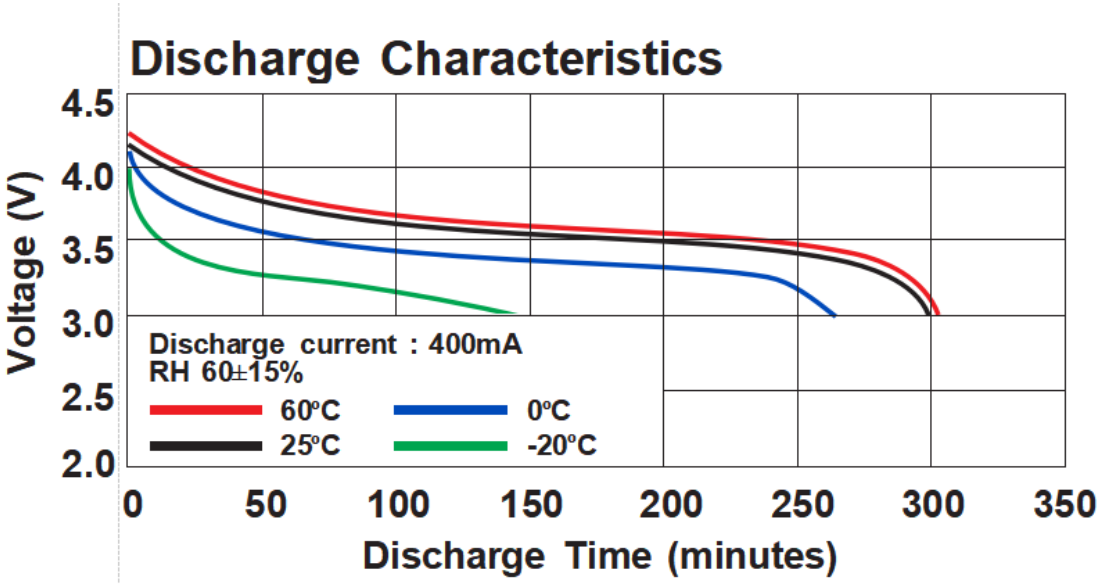
CERTIFICATION

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

- Do not use a battery that has been over-discharged.
- Maintain safe distances (up to 5m from flammable materials)
- Never charge a battery that is still warm after usage, and never use a battery that is still warm from charging.
- Never put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- Make sure the device is turned off before disconnecting the power.
- For best practice store standard lipo batteries at 3.80 volts +/.05 volts per cell. Or at the manufacturer's suggested storage voltage for non standard chemistry's
- The battery must be installed in the model on a flat surface.
- Do not carry LiPo batteries in your pocket. They have been known to short against coins and keys and cause fires.
- Always charge batteries at a rate of 1c (one (times the capacity unless specified by the manufacturer
- Avoid tightening the voltage adjustment knob on the way to use the battery.
- When not using your LiPo/Li-ion battery pack, store it at 60-70% of the pack’s rated capacity. Lithium-ion cells should never be stored fully charged, it is suggested to store them with a voltage around 3.8V. Most of the chargers have a “storage mode” that will either charge or discharge the cell to the proper storage voltage. Experts recommend to put the cells in storage mode after every run, this will help the battery to lengthen the usable life span