3.7V Lithium Polymer Battery Data Sheet

Model: 405270

Please Find More:

https://www.fpbattery.com/1500mah-lithium-polymer-battery/

File Number: A/FP5270-9426

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 405270
Nominal Voltage	3.7 V
Nominal Capacity	1500 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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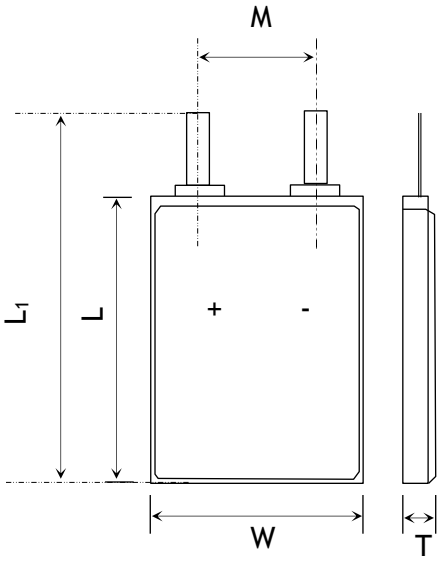
1 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	52
M	10
L	70
L_1	72
BL	72 ± 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

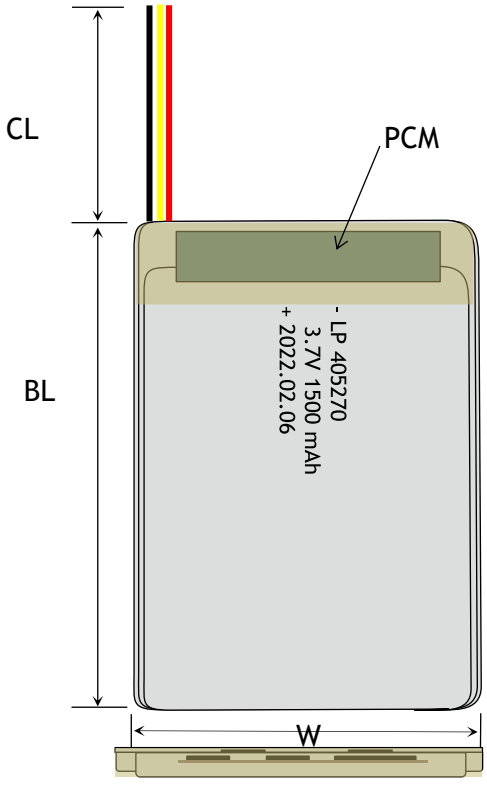
MECHANICAL SPECIFICATIONS

Dimensions	72x 52 x 4 mm(L*W*T)
Weight	Around 25 g
Battery Terminals	WC/ FL *

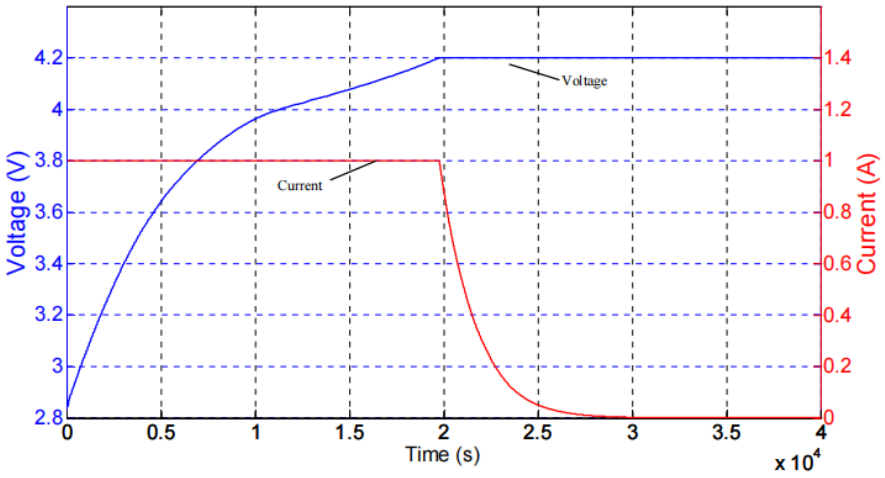
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

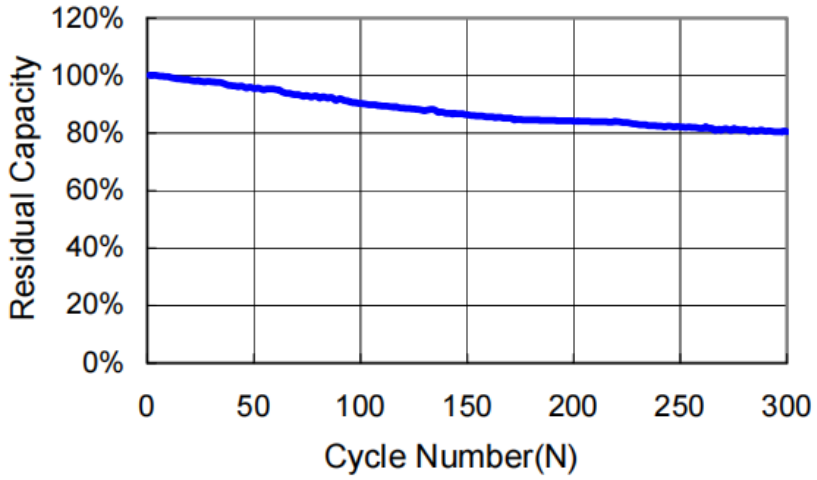


RELATIVE CURVES



Cycle Characteristics

Measurement temperature:25℃
Cycle condition:charge:CC-CV:1.3A-4.2V
Discharge:CC:1.3A(E.V:3.0V)



ANNOUNCEMENT

- Do not use a battery that has been over-discharged.
- Never charge a battery that is still warm after usage, and never use a battery that is still warm from charging.
- The batteries must be stored within -10°C~45°C range environmental condition.
- Dispose of defective Lipos in accordance with local ordinances and in a safe manner.
- Never discharge battery to a level below 3V per cell under load.
- AVOID storing Li-ion batteries with metal objects, including in a drawer with coins.
- Do not place the battery near flammable materials.
- Do not store your cells in a hot place (i.e. in your car on a hot day) as this may cause them to catch fire or even explode.
- Do not use a damaged charger that could cause the battery to overcharge or over discharge.
- 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.
- Observe the polarities (Negative and Positive). Do not connect them wrongly.