3.7V Lithium Polymer Battery Data Sheet

Model: 502852

Please Find More:

https://www.fpbattery.com/3-7v-650mah-lithium-polymer-battery/

File Number: A/FP2852-17561

File Version: 01

CONTACT

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

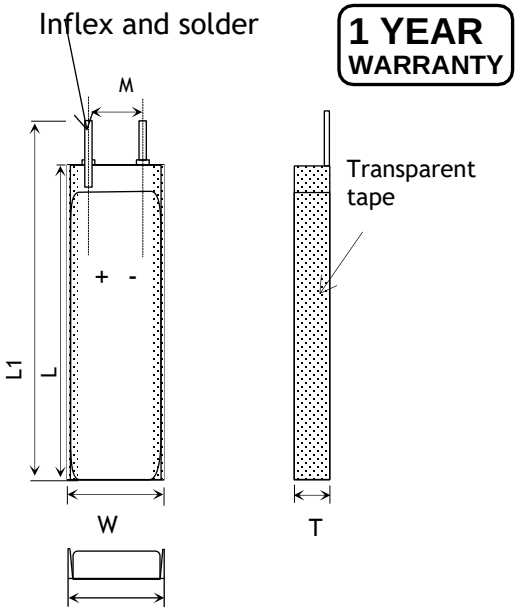
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 502852
Nominal Voltage	3.7 V
Nominal Capacity	730 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	5
W	28
M	10
L	52
L_1	54
BL	54 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

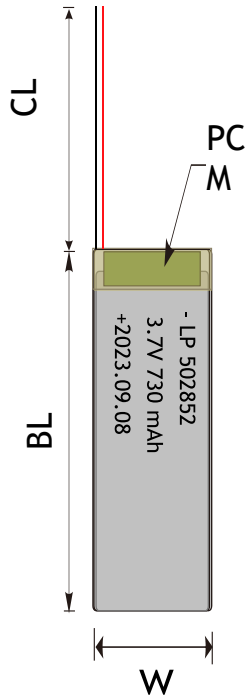
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	54x 28 x 5 mm(L*W*T)
Weight	12 g
Battery Terminals	WC/ FL *



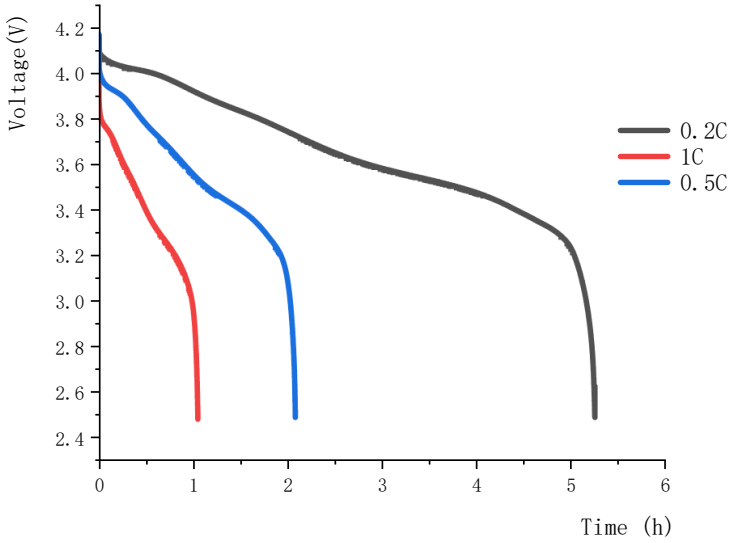
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

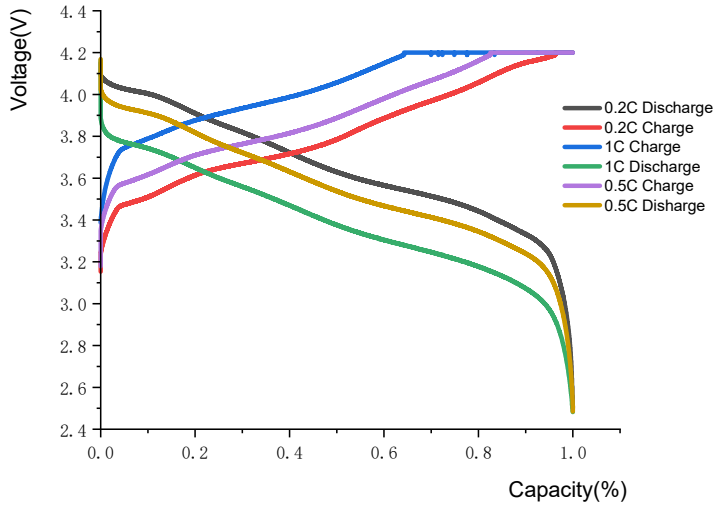
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge & Discharge Characteriestics in different Rate@25℃



ANNOUNCEMENT

- Avoid using chargers with long charging times.
- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- ALWAYS tape over the terminals/contacts of each battery (a fire can start if battery terminals come into contact with each other or other metallic items in the area).
- Store lithium batteries in a dedicated, vented fire-rated cabinet. Keep combustible materials clear of the cabinet. Label cabinet as containing lithium batteries.
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Never let the positive and negative battery leads touch each other. It can lead to cell ballooning, cell damage, fire or an explosion.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- Never store loose Batteries together, the Batteries' terminals may contact one another causing a short circuit.