3.7V Lithium Polymer Battery Data Sheet

Model: 502344

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP2344-18255

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 502344
Nominal Voltage	3.7 V
Nominal Capacity	505 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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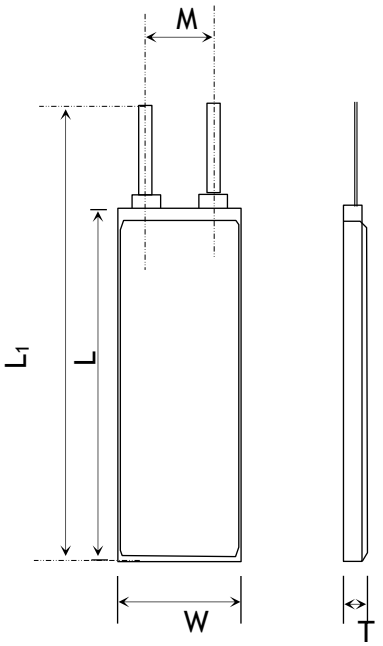
1 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	23
M	10
L	44
L_1	46
BL	46 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

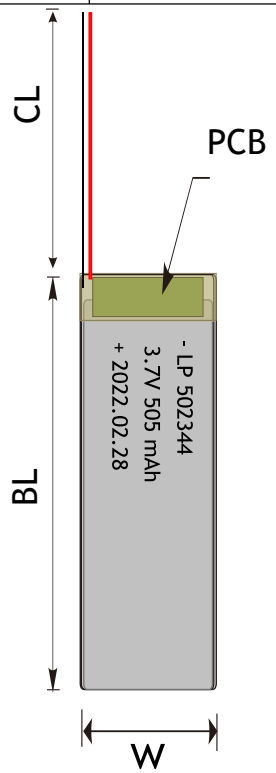
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	46x 23 x 5 mm(L*W*T)
Weight	Around 8 g
Battery Terminals	WC/ FL *



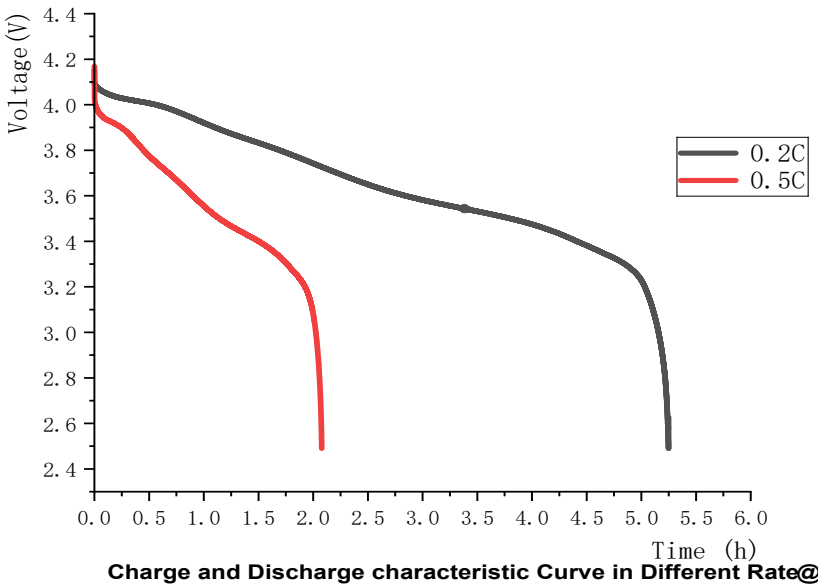
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

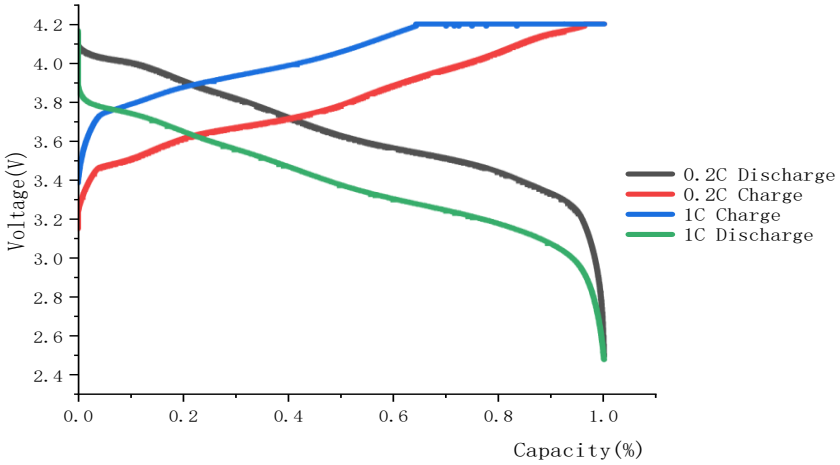
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge and Discharge characteristic Curve in Different Rate@25℃



ANNOUNCEMENT

- Maintain safe distances (up to 5m from flammable materials)
- Work on insulated surfaces. Avoid sharp edges and tools.
- Do not leave the battery in a hot vehicle interior.
- Do not put batteries in contact with conductive materials, water, seawater, strong oxidizers
- Do not use the unit without its electronic management system.
- If you start seeing any physical changes to the battery while charging example puffing, STOP charging immediately and dispose of the battery responsibly.
- If leaking material is present, do not touch it.
- Always store LiPo pack in a safe and nonGcombustible container away from flammable/combustible materials.
- Never leave battery unattended during the discharging process, always monitor the process constantly and react to potential problem that may occur.
- ALWAYS consider using a “Lipo Guard” or a similar protective pouch while charging LiIon and LiPo batteries (this type of pouch will contain a small fire should the battery bulge or personal laptop computers by individuals.) experience a thermal runaway event, protecting nearby items against ignition. *Note: this recommendation is not intended to apply to routine charging and use of
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.