3.7V Lithium Polymer Battery Data Sheet

Model: 503445

Please Find More:

https://www.fpbattery.com/3-7v-750mah-lithium-polymer-battery/

File Number: A/FP3445-8963

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 503445
Nominal Voltage	3.7 V
Nominal Capacity	765 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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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

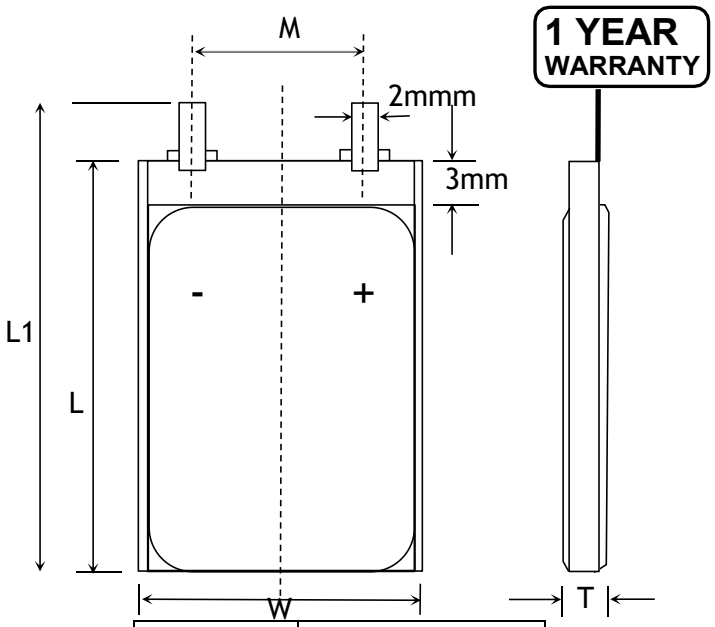
MECHANICAL SPECIFICATIONS

Dimensions	47x 34 x 5 mm(L*W*T)
Weight	Around 12 g
Battery Terminals	WC/ FL *

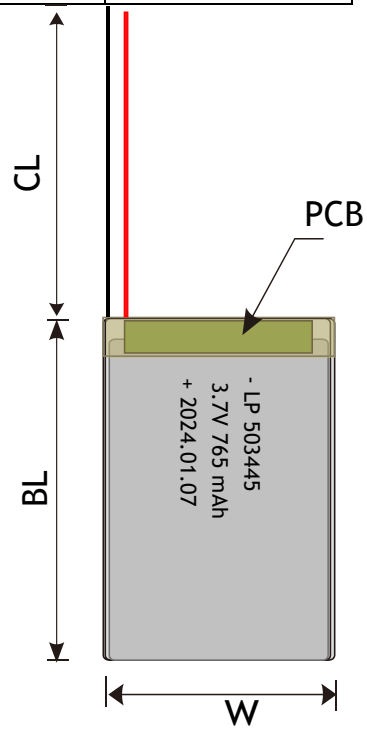
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

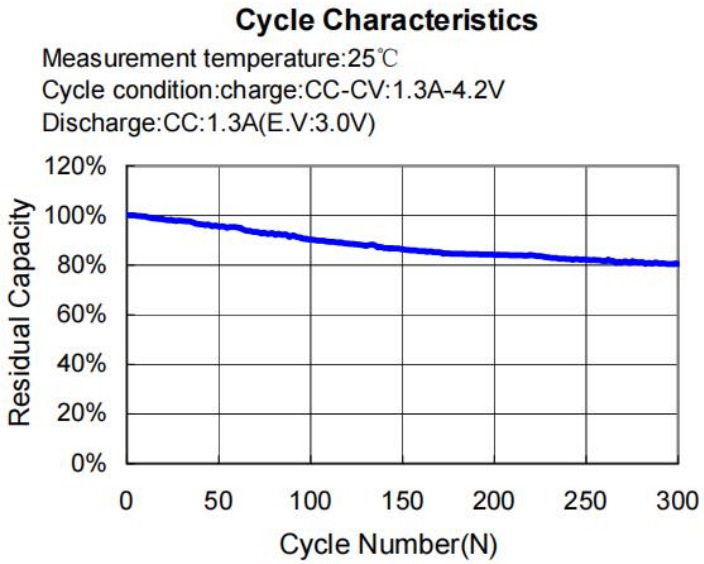
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

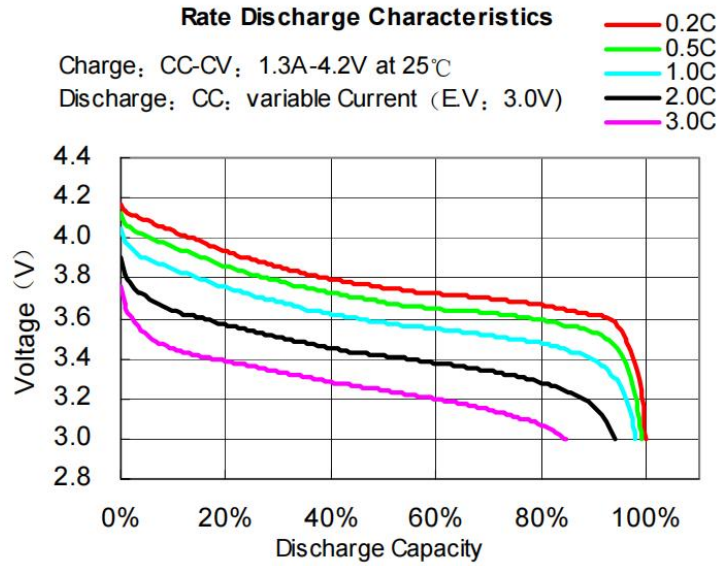


Item	Parameter (mm)
T	5
W	34
M	10
L	45
L_1	47
BL	47 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- Do not short the wires of your LiPo battery. This is very dangerous and can cause a fire or even an explosion. If you accidentally short the wires of your LiPo battery, either cover it with a fire blanket, or put it in a non-conductive fire-proof container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Be aware that many of the more expensive LiPo chargers will automatically detect the cell count of the battery being charged; cheaper chargers will require a manual setting.
- ALWAYS evacuate the room or space and notify others to evacuate.
- Do not expose the battery to direct sunlight for extended periods of time.
- Avoid placing the battery in a damp environment.
- Test equipment for short circuits prior to installing batteries.
- Do not store batteries with metal.
- Double check that the setting for the lithium polymer charger is correct for the pack being charged – this includes the cell count as well as the current settings.
- ALWAYS consider using a “Lipo Guard” or a similar protective pouch while charging Lilon 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
- Avoid placing the battery in a damp environment.

- All batteries should be stored, charged and used in accordance with the manufacturer’s instructions.