

3.7V Lithium Polymer Battery Data Sheet

Model: 2573167

Please Find More:

<https://www.fpbattery.com/3000mah-lithium-polymer-battery/>

File Number: A/FP73167-21007

File Version: 01

CONTACT

CUSTOMER SERVICE
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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 2573167
Nominal Voltage	3.7 V
Nominal Capacity	3000 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)

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

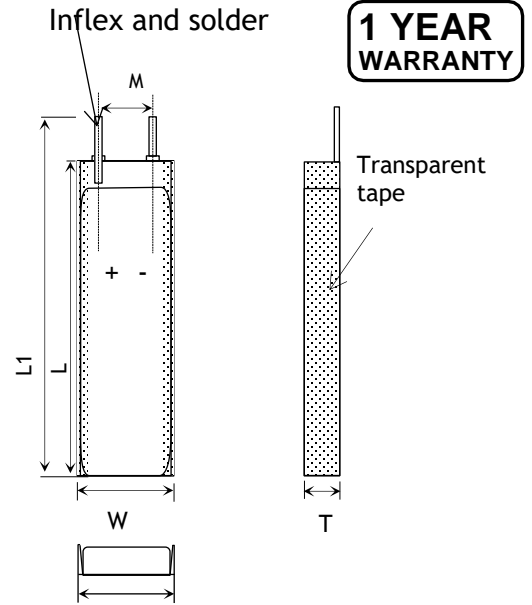
MECHANICAL SPECIFICATIONS

Dimensions	169x 73 x 2 mm(L*W*T)
Weight	50 g
Battery Terminals	WC/ FL *

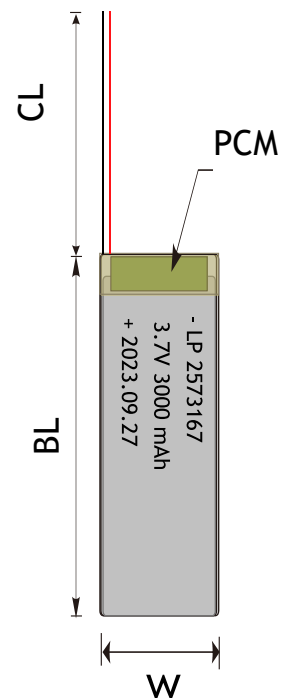
CERTIFICATION

Certification Approval PLEASE CONSULT SALES

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



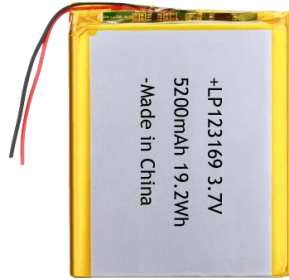
Item	Parameter (mm)
T	2
W	73
M	10
L	167
L ₁	169
BL	169 ± 1
CL	100



BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)

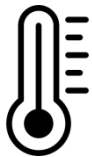


BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

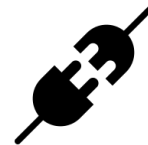
3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator



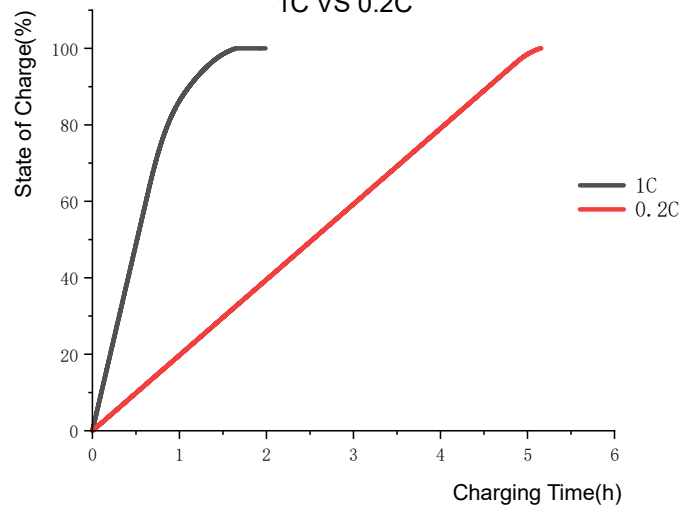
Power Button



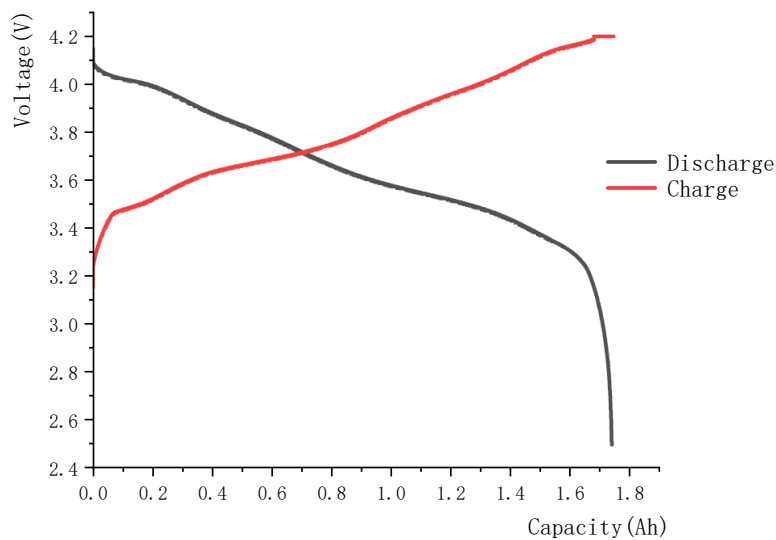
Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES

SOC Changing Characteristics Curve in Different Rate @25°C
1C VS 0.2C



Discharge VS Charge Characteristics Curve@0.2C 25°C



ANNOUNCEMENT

- Read the Product Specification and respect the maximum voltage (4.2V/cell). Never charge higher than 4.25V, which is the maximum voltage. Charging with a higher voltage will irreparably damage the battery and may lead to the start of a fire.
- ALWAYS visually inspect stored Li-Ion and LiPo batteries, at a minimum, weekly.
- Avoid purchasing low quality batteries to avoid accidents.
- Check the voltage of your LiPo pack before charging with a digital multimeter. Only charge if it is 3.30V or greater per cell (e.g. 9.90V for a 3S pack).
- Have a class ABC or CO2 fire extinguisher nearby the storage area.
- Do not allow children to touch the battery, especially untrained children.
- If any of the individual cells become warm/hot compared to the other cells, disconnect it immediately and either cover it with a fire blanket, or put it in a non-conductive 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.
- Check the voltage of your LiPo pack before charging with a digital multimeter. Only charge if it is 3.30V or greater per cell (e.g. 9.90V for a 3S pack).
- Do not charge hot cells after use. Warm cells are OK. Always let hot cells cool before charging.
- Periodically check that the battery connectors and cables are intact.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).