3.7V Lithium Polymer Battery Data Sheet

Model: 3549115

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP49115-21429

File Version: 01

CONTACT

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

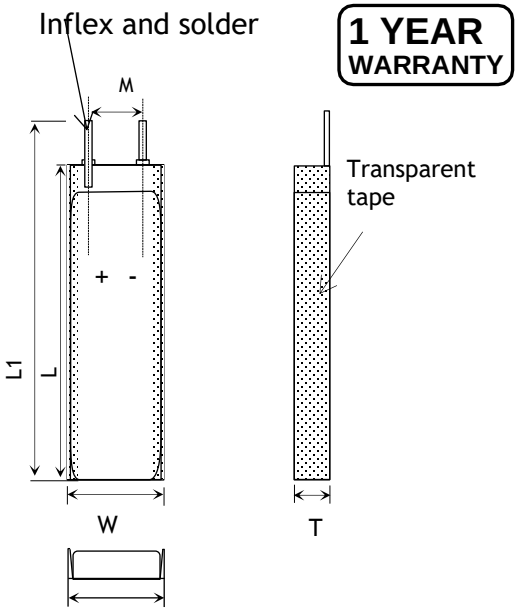
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3549115
Nominal Voltage	3.7 V
Nominal Capacity	2000 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)

1



Item	Parameter (mm)
T	3
W	49
M	10
L	115
L_1	117
BL	117 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

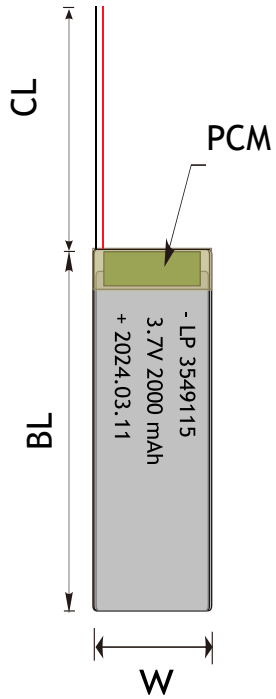
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	117x 49 x 3 mm(L*W*T)
Weight	33 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

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

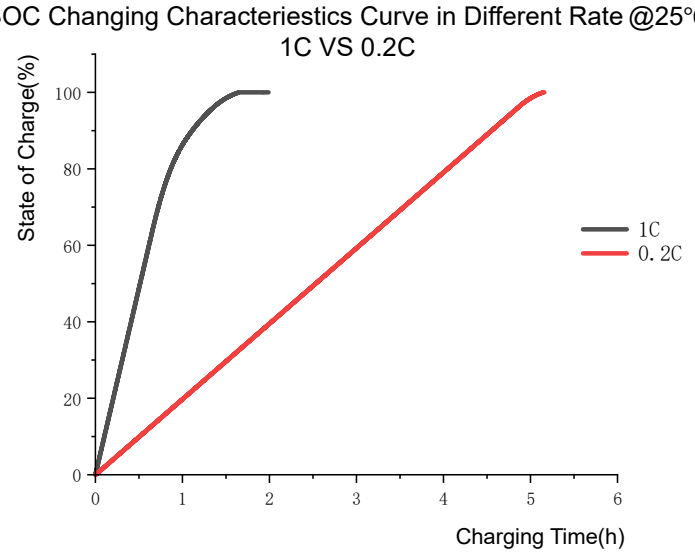
LED Power Indicator

Power Button

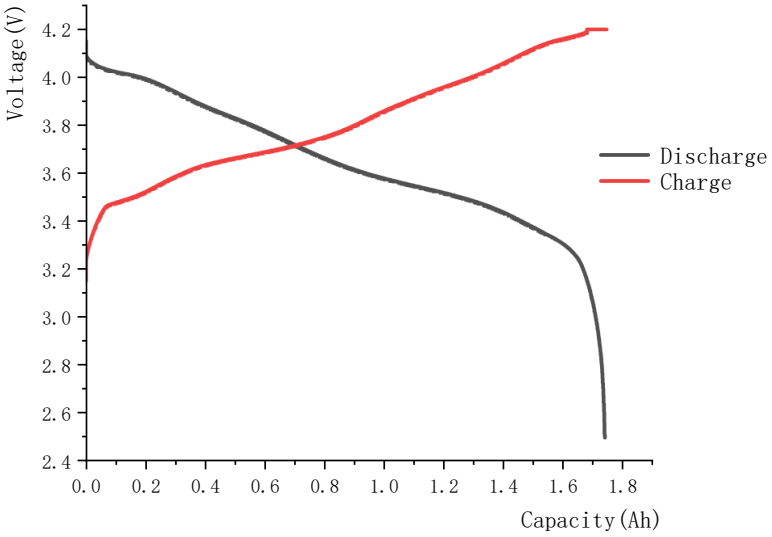
Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES

SOC Changing Characteriestics Curve in Different Rate @25℃



Discharge VS Charge Characteristics Curve@0.2C 25℃



ANNOUNCEMENT

- Never charge Batteries inside of the model.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Always use a compatible balanced mode charger, specifically designed for the chemistry of battery you are using.
- Store it in a fire-proof container in a cool dry place.
- The battery must be protected from physical contact with any other part of the model.
- Always use a balancer board to charge LiPo Battery with more than 1 cell.
- Before recycling your defective battery, it must be neutralized. Take a plastic container, fill it with water and add a lot of salt until the water becomes opaque. Place the LiPo battery in the water and leave for 24 hours. Check with a voltmeter that the voltage is 0.0V.
- Do not over-discharge (3.2V per cell)
- Avoid prolonged use of higher power devices.
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter's Laboratories (UL) or Intertek (ETL).
- When connecting 2 packs in parallel always make sure they are from the same manufacturer, have the same capacity, are the same age and type and that there is a voltage difference of 0.03Votherwise the higher voltage pack will discharge into the lower voltage pack, which may cause a fire or less.