3.7V Lithium Polymer Battery Data Sheet

Model: 453249

Please Find More:

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

File Number: A/FP3249-12723

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/

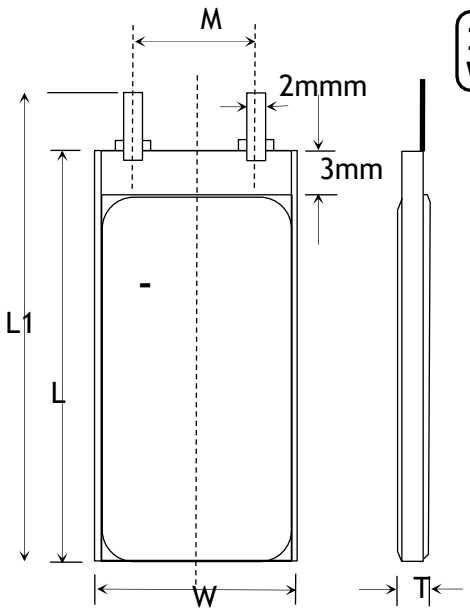
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 453249
Nominal Voltage	3.7 V
Nominal Capacity	705 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

1 YEAR WARRANTY



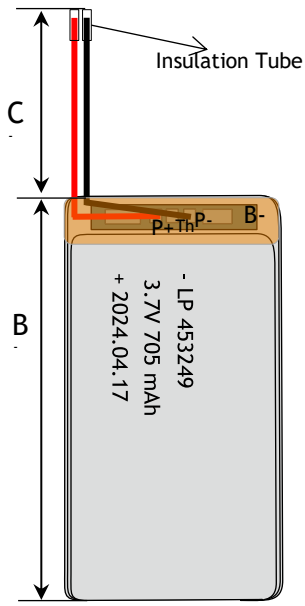
Item	Parameter (mm)
T	4
W	32
M	10
L	49
L_1	51
BL	51 ± 1
CL	100

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

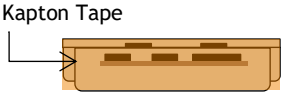
BATTERY PROTECTION

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



MECHANICAL SPECIFICATIONS

Dimensions	51x 32 x 4 mm(L*W*T)
Weight	Around 11 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





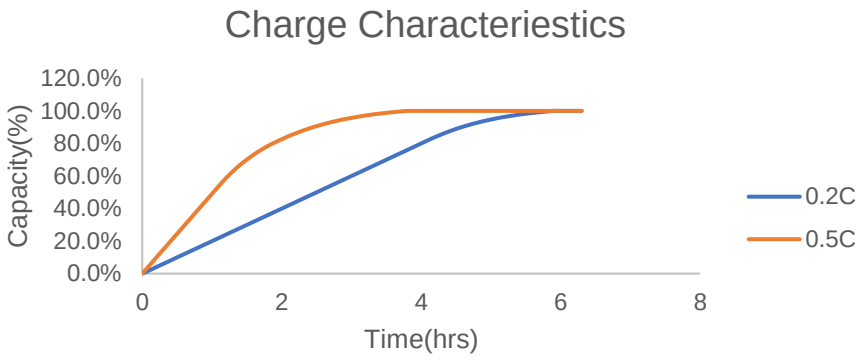
LED Power Indicator

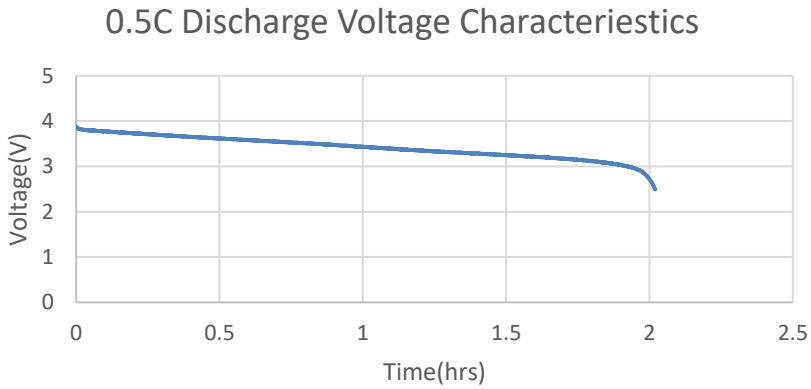


Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Never charge a battery that is still warm after usage, and never use a battery that is still warm from charging.
- Clean the battery connectors regularly to maintain good contact performance.
- NEVER alter or disassemble a Lipo battery.
- Only charge in an isolated area away from other flammable materials and on a non conductive and non flammable surface. Use a fireproof container. LiPo battery fires can not be extinguished. If a fire occurs, contain it by covering it with a fire blanket until it burns itself out.
- Slow down the charging and discharging rate of the battery in low temperature environment.
- Do not charge hot cells after use. Warm cells are OK. Always let hot cells cool before charging.
- 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.
- Never charge a LiPo battery while it is inside your model or other electronic device. If it catches fire, it can lead to total destruction of the item inside which it is being charged.
- Never allow the temperature of Batteries to exceed 120°F / 49°C during discharge. Adequate cooling for Batteries is required.
- NEVER attempt to charge a one-time-use (non-rechargeable) Li-Ion or LiPo battery.
- ALWAYS store batteries and devices at room temperature.