3.7V Lithium Polymer Battery Data Sheet

Model: 552561

Please Find More:

https://www.fpbattery.com/3-7v-800mah-lithium-polymer-battery/

File Number: A/FP2561-22001

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 552561
Nominal Voltage	3.7 V
Nominal Capacity	840 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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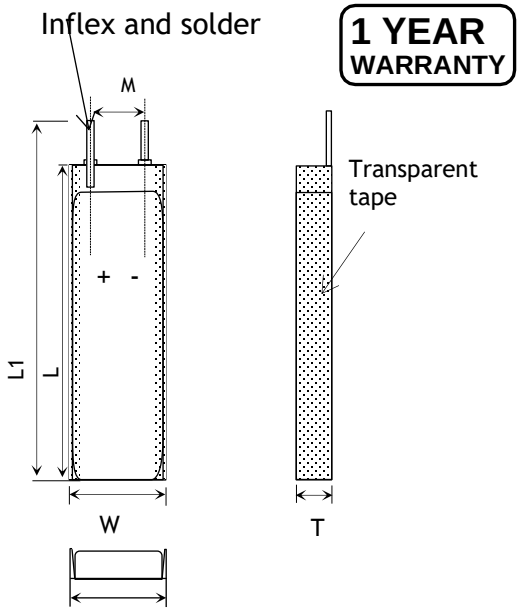


Item	Parameter (mm)
T	5
W	25
M	10
L	61
L_1	63
BL	63 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

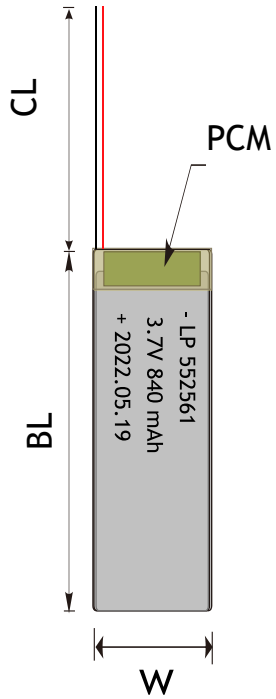
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	63x 25 x 5 mm(L*W*T)
Weight	14 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

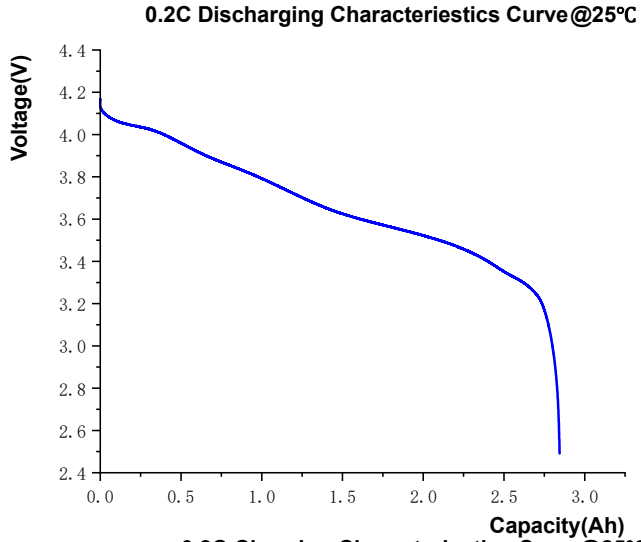


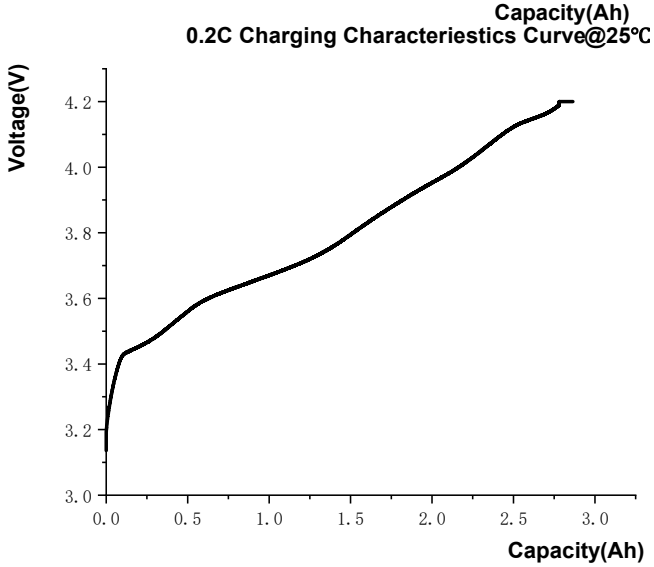
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- Always charge Batteries in an open area away from flammable materials, liquids and surfaces.
- Stop using or charging the battery immediately if the battery becomes or appears damaged, gives off an odor, becomes discolored or deformed, starts to balloon or swell, leaks, exceeds a temperature of 160°F (71°C), or if any other abnormality is detected. Disconnect the battery and observe it in a safe area outside of any building or vehicle and away from any combustible materials. These abnormalities may cause the battery to leak, and the reaction with air may cause the chemical materials inside to ignite. Because delayed chemical reactions may occur (a battery can still ignite even after 10 minutes), you should continue observing the battery for at least 15 minutes as a safety precaution.
- Exercise caution with new products like E-Scooters where all safety considerations may not be recognized or that may encourage cheap knock-offs built without adherent to safety standards.
- Never charge the battery inside a Vehicle.
- Do not leave the battery in a hot vehicle interior.
- Avoid using worn and aged batteries.
- Make sure the device is turned off before disconnecting the power.
- Do not discharge the battery at a higher current than the maximum continuous discharging current. A higher discharging current may cause overheating which will lead to ballooning, swelling, or possibly result in fire. For example, a 5000mAh battery with a designed maximum 35C discharge current must not have a continuous discharge rate or load of more than 175 Amps. For longer cycle life, a continuous discharging current of 70%-80% of the designed maximum discharging current is acceptable and recommended.
- If you notice your LiPo battery pack is swelling while charging, stop the charging process immediately, put the battery in a safe non-flammable metal

container and observe it.

- Obtain recycling container from EHRS for all batteries except LiPo.