3.7V Lithium Polymer Battery Data Sheet

Model: 502650

Please Find More:

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

File Number: A/FP2650-18386

File Version: 01

CONTACT

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

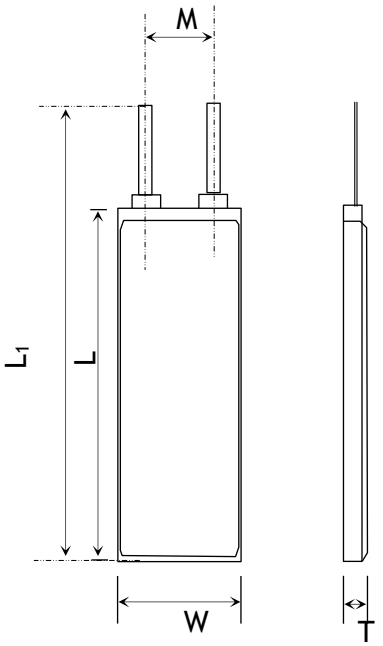
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 502650
Nominal Voltage	3.7 V
Nominal Capacity	650 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 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	26
M	10
L	50
L_1	52
BL	52 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

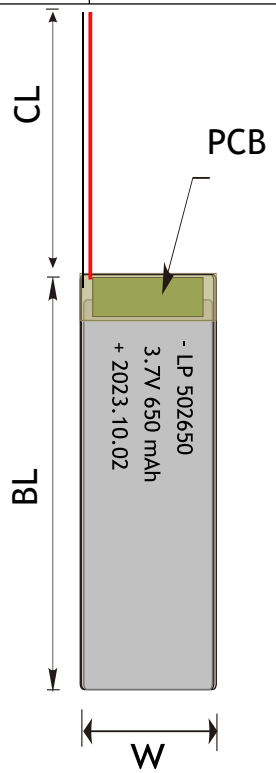
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	52x 26 x 5 mm(L*W*T)
Weight	Around 10 g
Battery Terminals	WC/ FL *



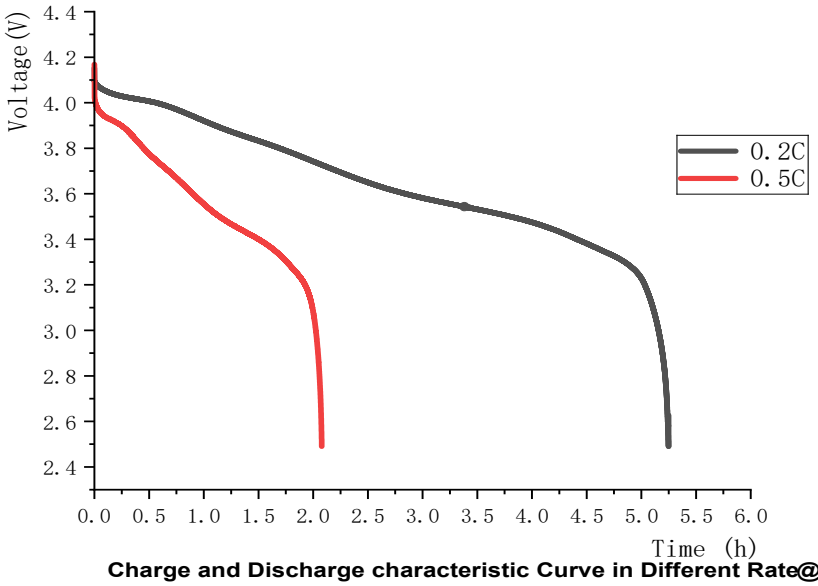
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

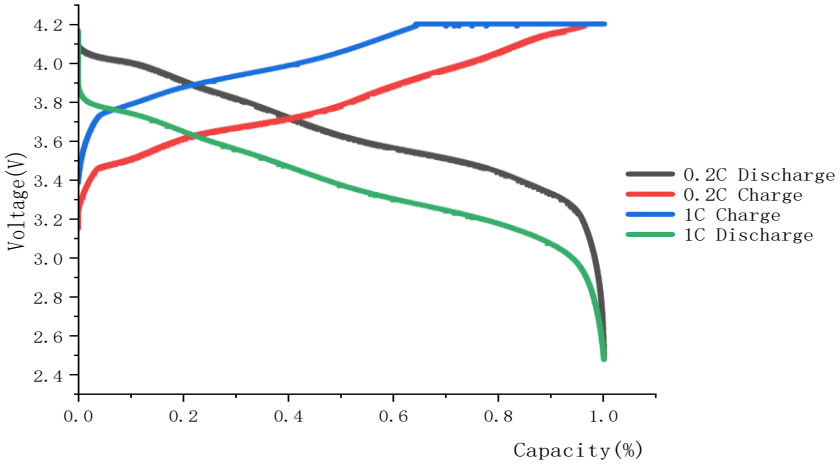
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge and Discharge characteristic Curve in Different Rate@25℃



ANNOUNCEMENT

- Discharging capacity can't exceed 80% of the max capacity after full charging to ensure a good cycle performance
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.
- Take maximum care when handling and installing LiPo batteries made of flexible aluminum packaging in your model. These batteries are quickly damaged on sharp edges or spikes.
- Every time a battery is not used actively (e.g. for more than 3 days), it should be placed in the storage area tAVOID being damaged and becoming unsafe.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Pay attention to the positive and negative connections of the battery to ensure proper connection.
- Avoid tightening the voltage adjustment knob on the way to use the battery.
- Avoid physical damage and short circuiting.
- Make sure the device is turned off before disconnecting the power.
- Avoid using worn and aged batteries.
- 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.