3.7V Lithium Polymer Battery Data Sheet

Model: 354180

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP4180-18763

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/

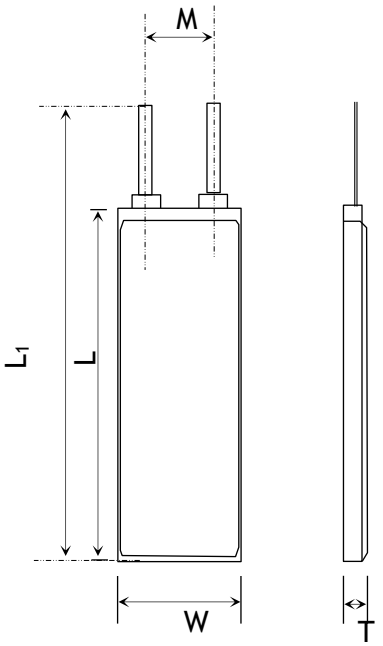
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 354180
Nominal Voltage	3.7 V
Nominal Capacity	1100 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	3
W	41
M	10
L	80
L_1	82
BL	82 ± 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

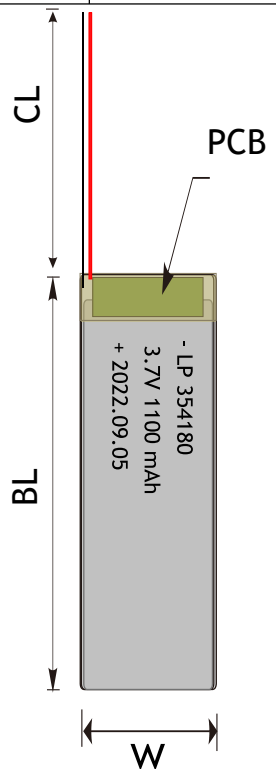
MECHANICAL SPECIFICATIONS

Dimensions	82x 41 x 3 mm(L*W*T)
Weight	Around 18 g
Battery Terminals	WC/ FL *

CERTIFICATION

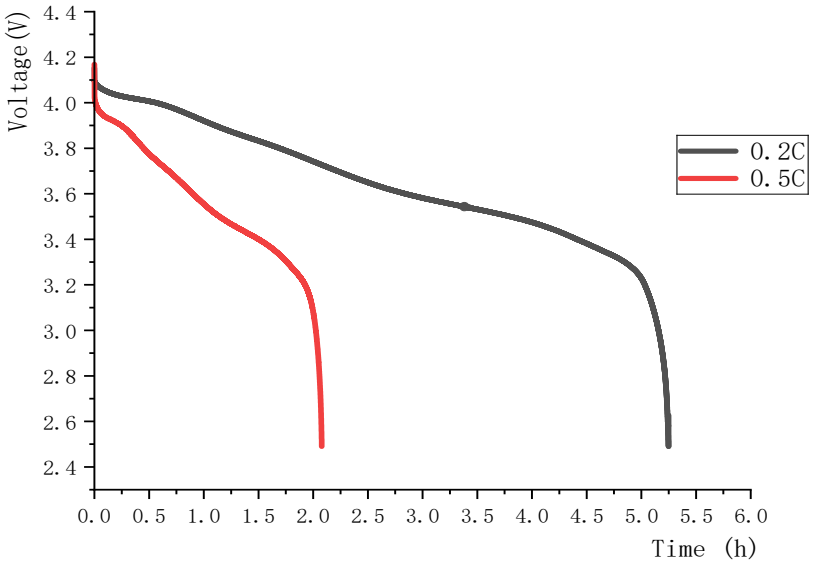
Certification Approval	PLEASE CONSULT SALES

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

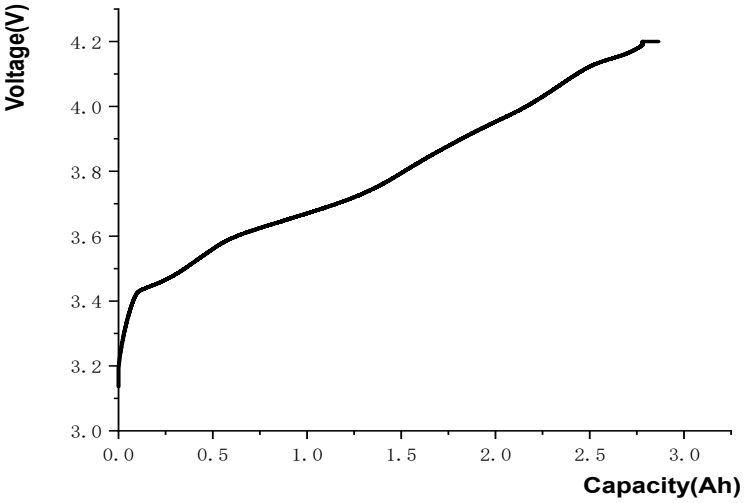


RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



0.2C Charging Characteriestics Curve@25℃



ANNOUNCEMENT

- Store lithium batteries in a dedicated, vented fire-rated cabinet. Keep combustible materials clear of the cabinet. Label cabinet as containing lithium batteries.
- Do not approach the cell until it reaches room temperature. The cell temperature can be checked using a remote device (i.e. infrared thermometer).
- Do not expose the battery to direct sunlight for extended periods of time.
- Discharge the battery to 50% before storing it for an extended period of time.
- Before starting work,make sure your Li-po batteries, chargers, and associated equipment are tested in accordance with an appropriate test standard (e.g., UL 2054), certified by a Nationally Recognized Testing Laboratory (NRTL), and rated for their intended uses.
- Periodically check that the battery connectors and cables are intact.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Store dust free and dry and protect from moisture
- 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 allow a Lipo battery to get wet
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.