3.7V Lithium Polymer Battery Data Sheet

Model: 3552100

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP52100-18372

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/

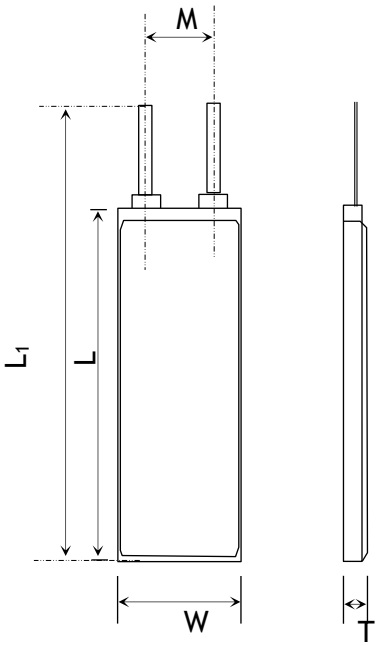
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3552100
Nominal Voltage	3.7 V
Nominal Capacity	1800 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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1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	52
M	10
L	100
L_1	102
BL	102 ± 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

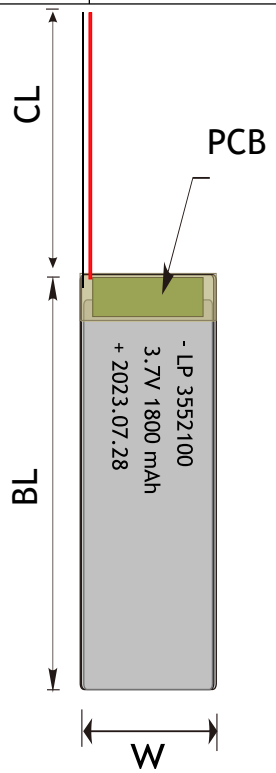
MECHANICAL SPECIFICATIONS

Dimensions	102x 52 x 3 mm(L*W*T)
Weight	Around 30 g
Battery Terminals	WC/ FL *

CERTIFICATION

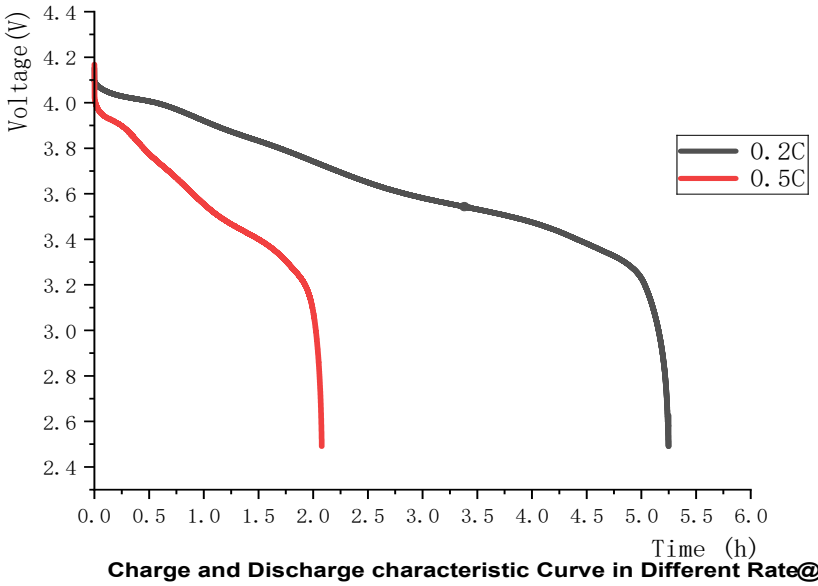
Certification Approval	PLEASE CONSULT SALES

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

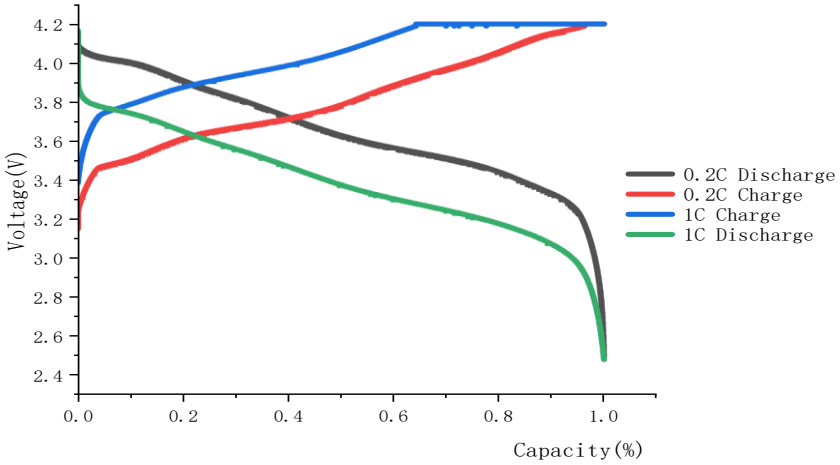


RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge and Discharge characteristic Curve in Different Rate@25℃



ANNOUNCEMENT

- The battery and all electrical connections must be protected against splashing liquids. Electrical cables and connectors must be protected against accidental tearing.
- ALWAYS activate the building fire alarm system and call 9-1-1 to notify the fire department.
- When replacing batteries, make sure to use batteries of the same type, size and brand.
- Avoid dropping batteries, dropping Lipos can cause the battery cell to crush causing an internal short which may lead to fire.
- ALWAYS evacuate the building to your unit's designated outside meeting location.
- ALWAYS use the charging cord supplied with the device (or only use a replacement charging cord that is specified by the device manufacturer to bean approved alternative).
- Ensure that charging leads are connected correctly. Reverse charging can lead to cell damage, fire or explosion.
- 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.
- The battery must be discharged at less than the maximum discharge current specified in the battery instruction manual. High discharging current may reduce the discharging capacity significantly or cause over-heat.
- In the event of a crash, remove battery(s) and place it/them in a safe open area away from any combustible materials for approximately 30 minutes. On no account should you place it in a vehicle for at least 30 minutes as a delayed chemical re-action can occur causing a fire.
- Do not use unsuitable battery cover materials.