3.7V Lithium Polymer Battery Data Sheet

Model: 3020030

Please Find More:

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

File Number: A/FP20030-15

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/

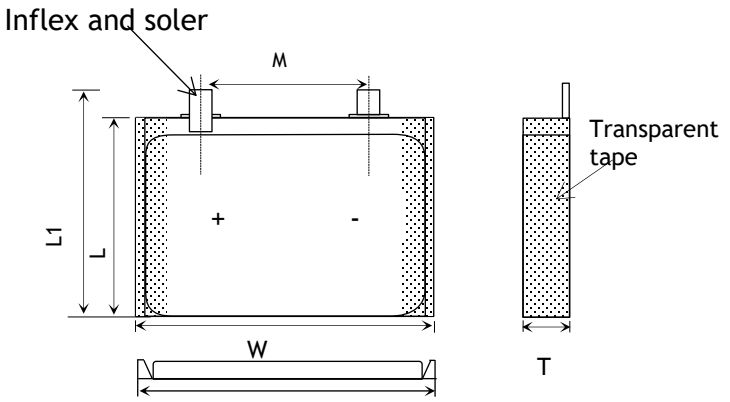
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3020030
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)

1

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	200
M	10
L	30
L_1	32
BL	32 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

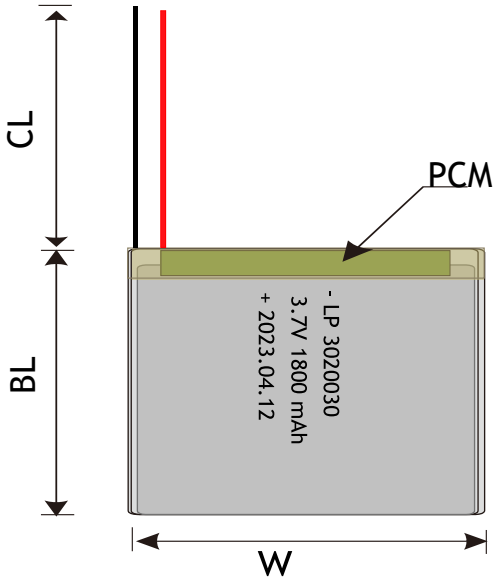
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	32x 200 x 3 mm(L*W*T)
Weight	Around 30 g
Battery Terminals	WC/ FL *

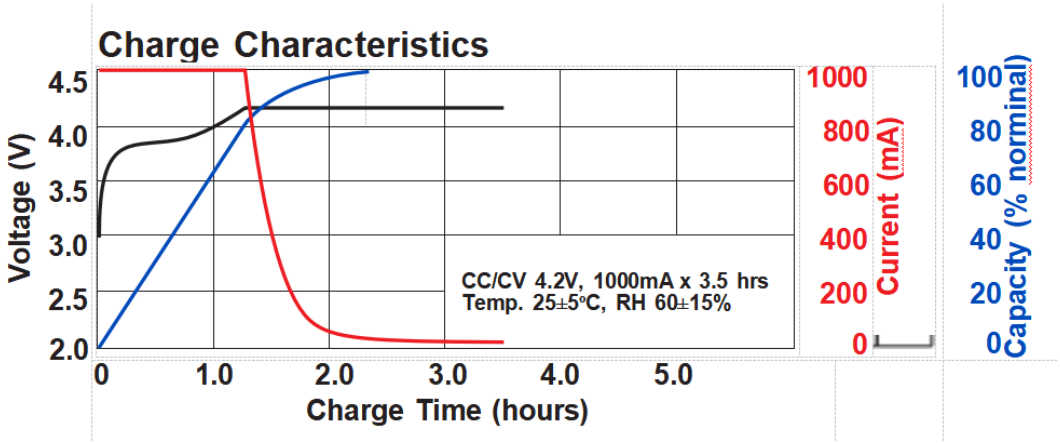


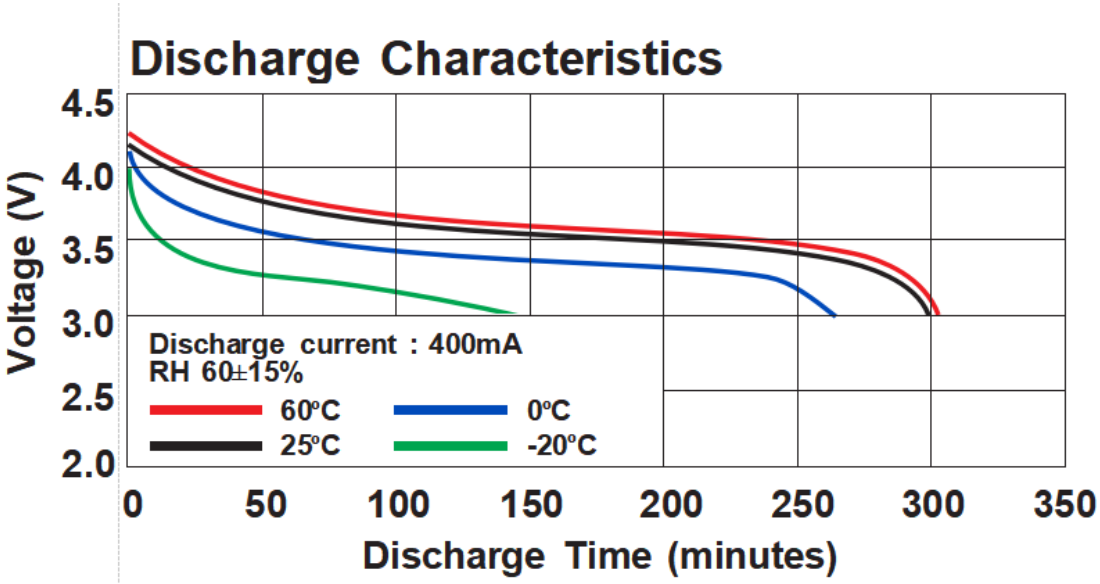
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES





ANNOUNCEMENT

- Short circuits may cause fire and injury! If you plan to cut the battery's terminal wires, you must cut each wire individually, making sure the wires not to touch each other. Otherwise, a short circuit may occur and potentially cause a fire. If you accidentally cause the battery to short circuit, place it in a safe space and observe it for at least 15 minutes. The battery may swell or possibly catch fire during this time. Additionally, the powerful electric current may cause severe injuries if the battery leads come in contact with rings or jewelry. Dispose of used or damaged LiPo batteries at your local Hazardous Waste Facility or Recycling Center.
- Do not inhale the smoke/fumes of a LiPo battery that is on fire. The smoke is toxic. Leave the area and call 911.
- Never charge LiPo batteries near any flammable products, including liquids or gases.
- When the battery is empty, recharge it immediately. Do not store an empty battery, the battery will continue to discharge, it will fall below the minimum voltage and become unusable.
- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- Avoid frequent charging and discharging on the way to using the battery.
- Avoid using unauthorized charging devices.
- ALWAYS immediately disconnect the charging cord from the wall outlet if batteries or equipment develop heat/smoke, unusual odors, or show evidence of bulging (changes in shape or geometry).
- Make sure the device is turned off before disconnecting the power.
- Follow all safe operating guidelines and recommendations provided by the manufacturer.

- Pay attention to the positive and negative connections of the battery to ensure proper connection.