3.7V Lithium Polymer Battery Data Sheet

Model: 3058116

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP58116-19116

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/

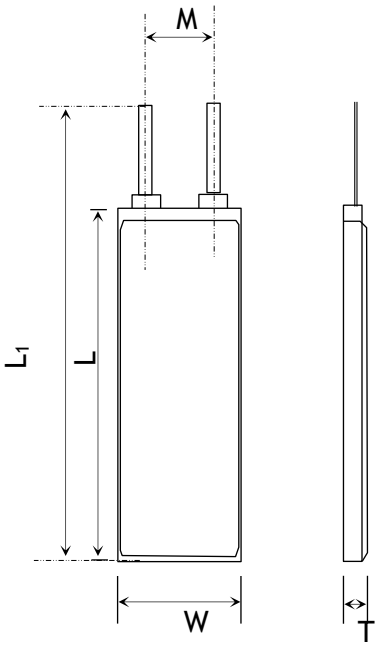
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3058116
Nominal Voltage	3.7 V
Nominal Capacity	2000 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	58
M	10
L	116
L_1	118
BL	118 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

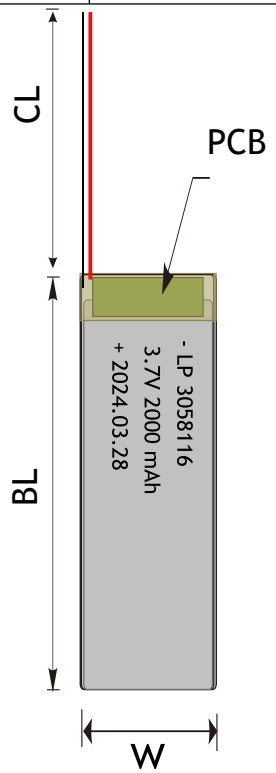
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	118x 58 x 3 mm(L*W*T)
Weight	Around 33 g
Battery Terminals	WC/ FL *

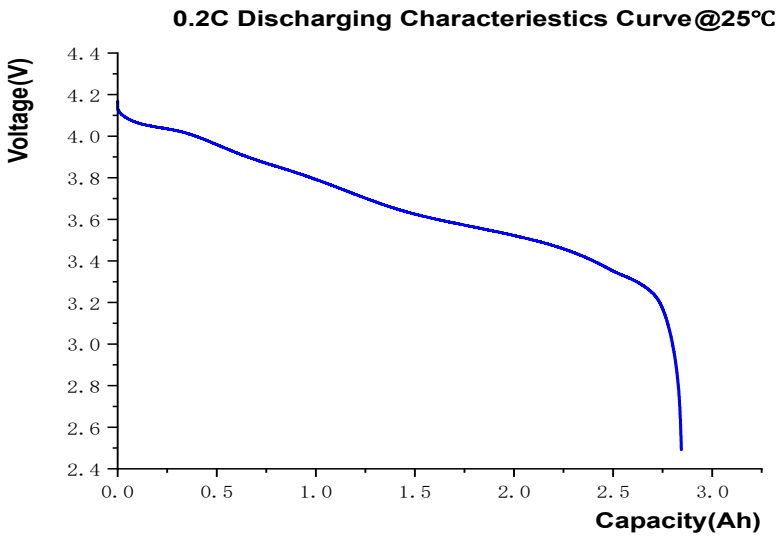


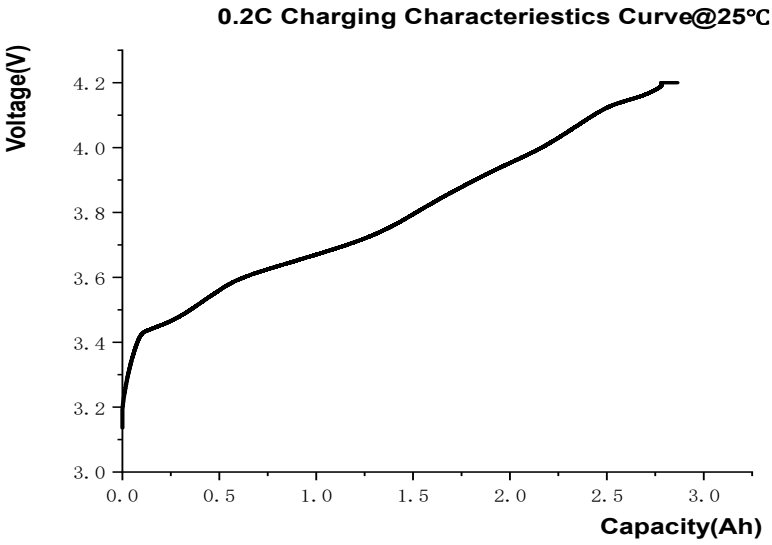
CERTIFICATION

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

- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.
- Check cell voltage after the first charge to verify that the voltage has not exceeded the maximum charge voltage (Please refer to Chart 1). Check the voltage of each cell via the balance connector to verify that the voltage of each cell has not exceeded the maximum value.
- Use recommended methods to make battery terminal connections.
- Never remove the battery from its protective plastic case.
- LiPo safe bags help contain heat and flames that results if a Li-Ion battery combusts during charging or while in storage.
- Store LiPo batteries at correct voltage (around 3.8 volts).
- 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.
- Never allow the temperature of Batteries to exceed 120°F / 49°C during discharge. Adequate cooling for Batteries is required.
- Check the voltage of the pack or cells before charging. Do not attempt to charge any pack if the open voltage is lower than the Lowest Open Voltage. Check the voltage of each cell before charging via the balance connector. If the voltage of any cell is less than 3.0V/cell, remove it from service, and dispose of it properly.
- Do not over-discharge (3.2V per cell)
- Regularly check the battery case for leaks or damage.