3.7V Lithium Polymer Battery Data Sheet

Model: 3058108

Please Find More:

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

File Number: A/FP58108-17664

File Version: 01

CONTACT

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

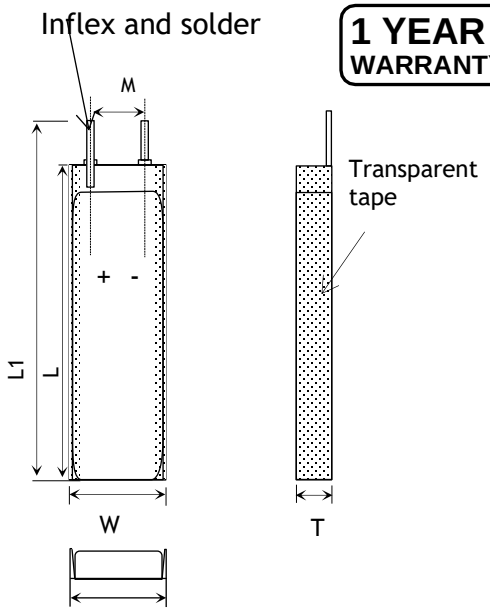
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3058108
Nominal Voltage	3.7 V
Nominal Capacity	1900 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	3
W	58
M	10
L	108
L_1	110
BL	110 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

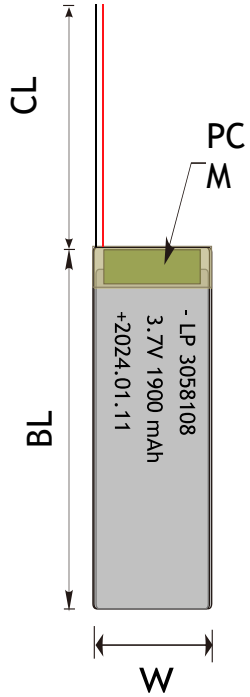
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	110x 58 x 3 mm(L*W*T)
Weight	31 g
Battery Terminals	WC/ FL *



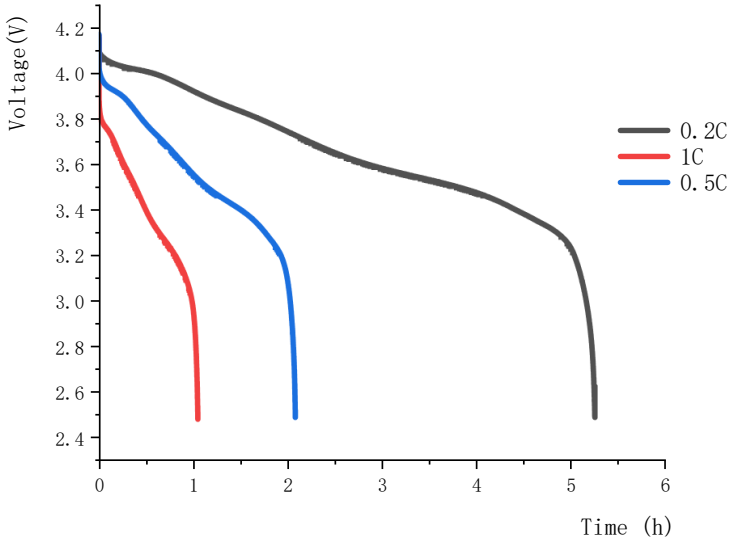
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

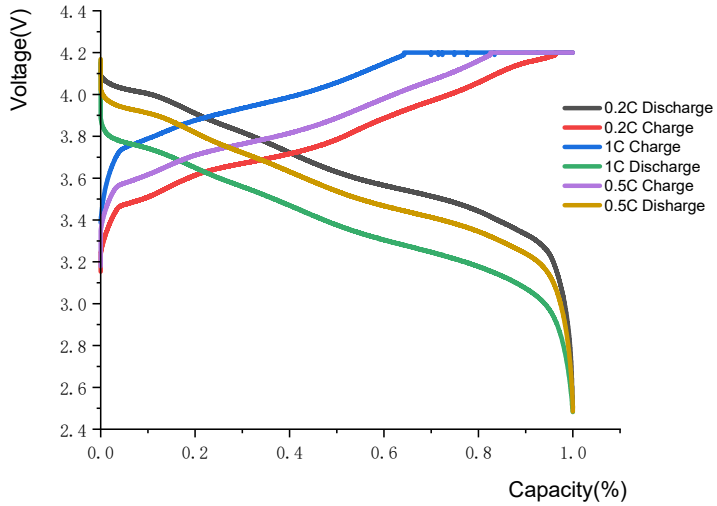
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge & Discharge Characteriestics in different Rate@25℃



ANNOUNCEMENT

- Monitor storage by means of suitable fire alarm
- Work on insulated surfaces. Avoid sharp edges and tools.
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- Charge at correct rate and proper voltage for either use or storage.
- ALWAYS store batteries and devices at room temperature.
- If taking lithium batteries on an aircraft, follow FAA and IATA rules.
- Always follow the manufacturer’s safety instructions
- Ensure that charging leads are connected correctly. Reverse charging can lead to cell damage, fire or explosion.
- Always store LiPo pack in a safe and nonGcombustible container away from flammable/combustible materials.
- Although protective electronics built into the battery should prevent overcharging, such a battery management system can fail- for example if the charger is not suitable and thus unattended charging is always a source of danger.
- Do not touch the battery to materials that are easily conductive.