3.7V Lithium Polymer Battery Data Sheet

Model: 3064100

Please Find More:

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

File Number: A/FP64100-13284

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/

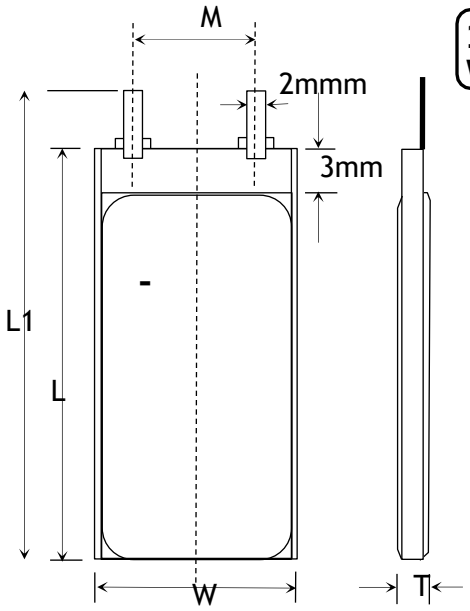
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3064100
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

1 YEAR WARRANTY



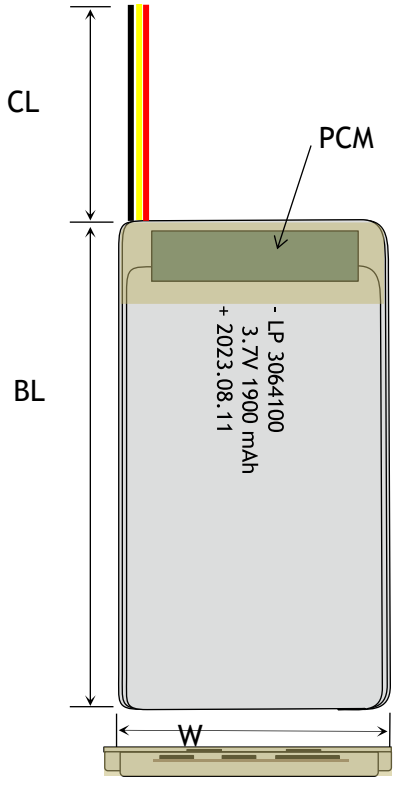
Item	Parameter (mm)
T	3
W	64
M	10
L	100
L_1	102
BL	102 ± 1
CL	100

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 64 x 3 mm(L*W*T)
Weight	Around 31 g
Battery Terminals	WC/ FL *

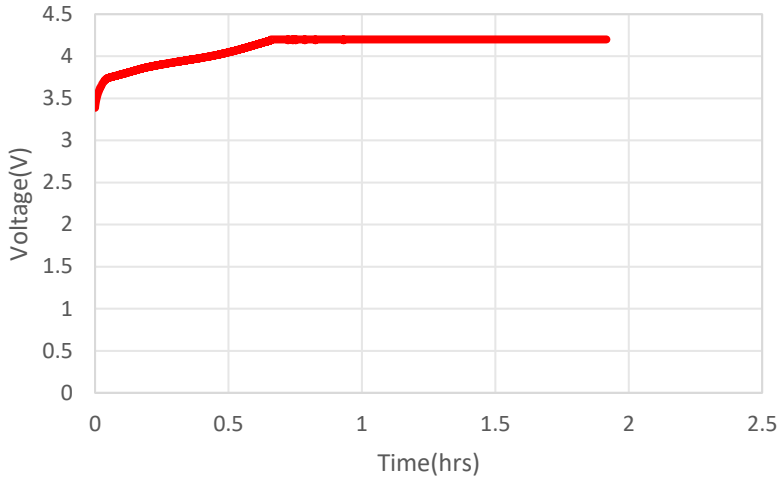
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

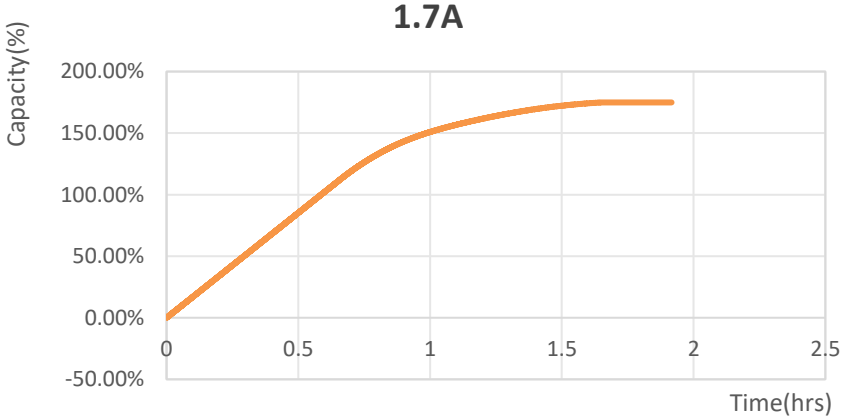
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Constant Current Charge Characteristics---1.7A



Constant Current Charge Characteristics---1.7A



ANNOUNCEMENT

- If charging indoors, only charge with a smoke detector above where you are charging.
- Do not store the battery in direct sunlight.
- Do not apply excessive mechanical stress to the battery.
- Never leave batteries unattended where they can be damaged by someone.
- Never put batteries in your pocket or non fireproof bags this may cause the battery to short circuit.
- Do not store batteries with metal.
- Never charge a LiPo battery on a wooden or other combustible (carpeted) surface. Always charge LiPo batteries on surfaces made of cement, steel, ceramic or stone.
- Never allow the temperature of Batteries to exceed 120°F / 49°C during discharge. Adequate cooling for Batteries is required.
- Before starting work,ensure that a written experimental protocol including safety information is available.
- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- Never leave a battery unattended while charging. During the entire process of charging your LiPo battery, you must constantly observe and monitor the charging process so that you can quickly react to any problems that may occur and to be certain that the battery is being charged properly.