3.7V Lithium Polymer Battery Data Sheet

Model: 355083

Please Find More:

https://www.fpbattery.com/1500mah-lithium-polymer-battery/

File Number: A/FP5083-14952

File Version: 01

CONTACT

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

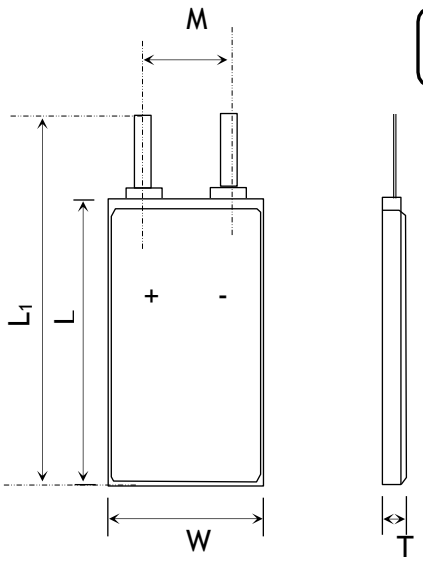
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 355083
Nominal Voltage	3.7 V
Nominal Capacity	1500 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	50
M	10
L	83
L_1	85
BL	85 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

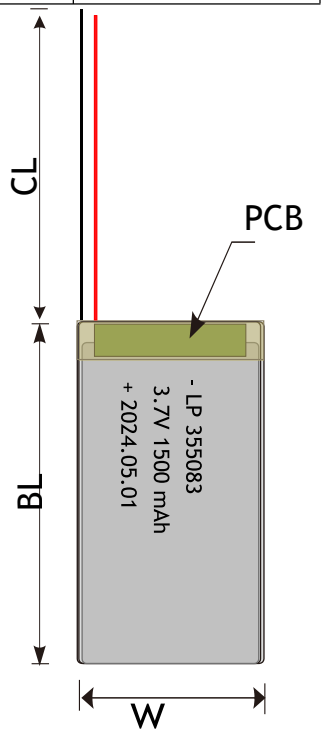
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	85x 50 x 3 mm(L*W*T)
Weight	Around 25 g
Battery Terminals	WC/ FL *



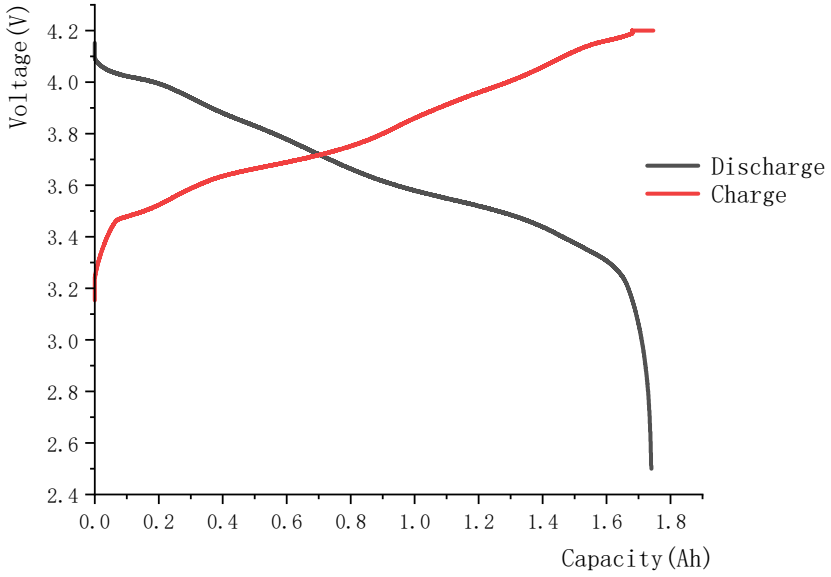
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

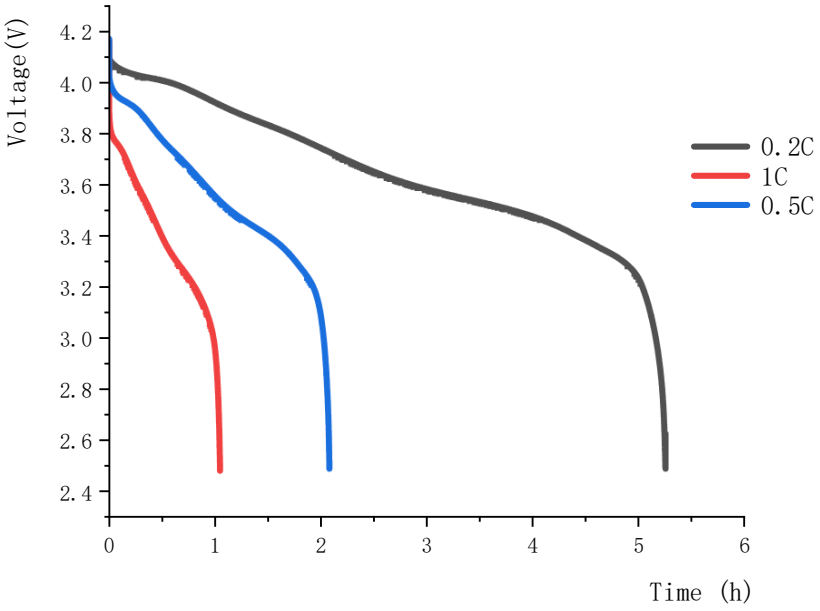
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge VS Charge Characteristics Curve@0.2C 25℃



Discharge Characteriestics Curve in Different Rate@25℃



ANNOUNCEMENT

- Avoid using worn and aged batteries.
- Never discharge battery to a level below 3V per cell under load.
- Never charge a very hot battery as this may cause an explosion or fire.
- Keep Lipo batteries away from heal! And direct sunlight, and do not Store ma car during hot weather. Never use a Lipo that is leaking or gives off a strong odor, or has been damaged many way.
- Never expose Batteries to extreme temperatures or direct sunlight. The temperature range must be between 40-120° F (4-49° C).
- Never store loose Batteries together, the Batteries' terminals may contact one another causing a short circuit.
- Store dust free and dry and protect from moisture
- Do not put batteries in contact with conductive materials, water, seawater, strong oxidizers
- Never charge a LiPo pack that has ballooned or swelled due to over/under charging or from a crash.
- To prevent over-discharging, the battery shall be charged periodically to maintain between 3.6V and 3.9V. The High-performance charger are equipped with a device to prevent further discharging exceeding a specified cut-off voltage.