3.7V Lithium Polymer Battery Data Sheet

Model: 403658

Please Find More:

https://www.fpbattery.com/3-7v-800mah-lithium-polymer-battery/

File Number: A/FP3658-14187

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/

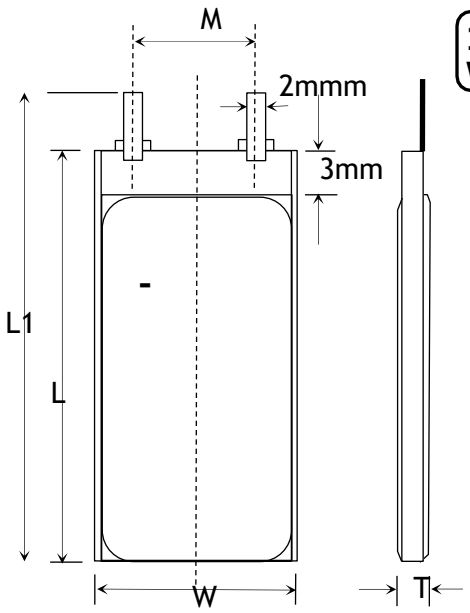
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 403658
Nominal Voltage	3.7 V
Nominal Capacity	835 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



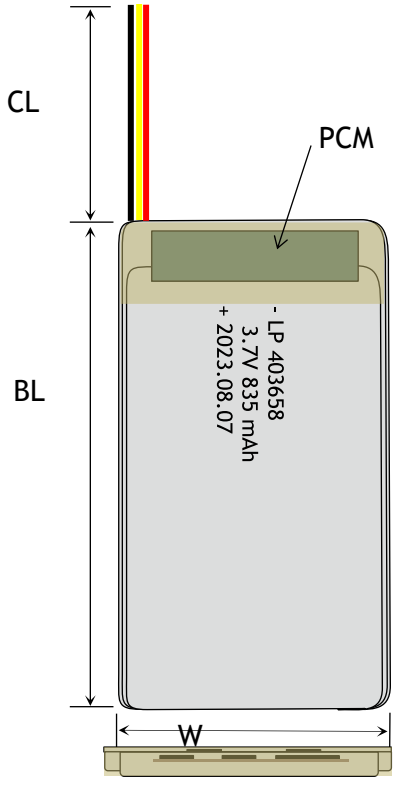
Item	Parameter (mm)
T	4
W	36
M	10
L	58
L_1	60
BL	60 ± 1
CL	100

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	60x 36 x 4 mm(L*W*T)
Weight	Around 13 g
Battery Terminals	WC/ FL *

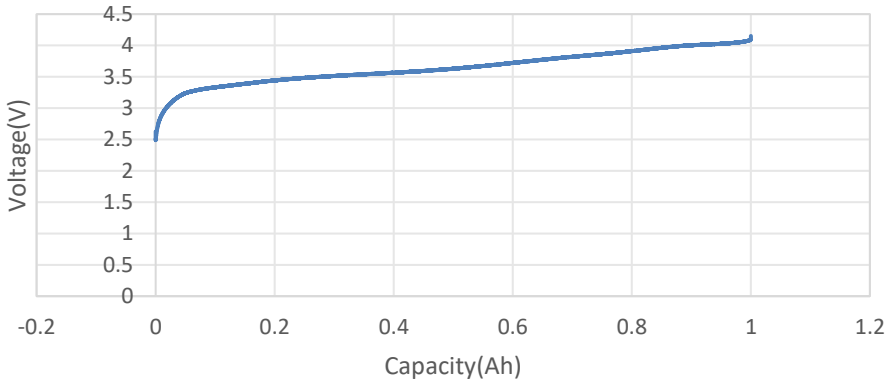
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

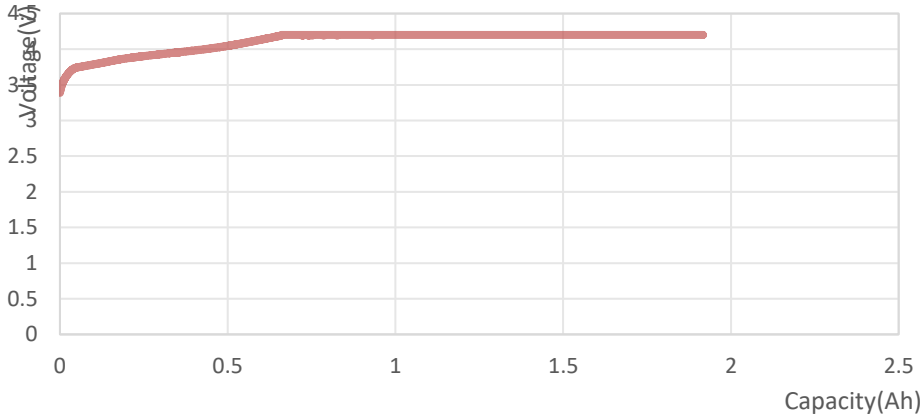
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

0.2C Discharge Characteristics Curve



1C Discharge Characteristics Curves



ANNOUNCEMENT

- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- 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.
- Do not expose the battery to strong acids or alkalis.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- NEVER attempt to charge a one-time-use (non-rechargeable) Li-Ion or LiPo battery.
- Be aware that many of the more expensive LiPo chargers will automatically detect the cell count of the battery being charged; cheaper chargers will require a manual setting.
- When replacing batteries, make sure to use batteries of the same type, size and brand.
- Never directly connect the terminals with metal objects. This will short-circuit Batteries, resulting in heat and electrical discharge.
- Always consult the manufacturerGspecific battery manual for proper instructions.
- Do not leave cells un-attended when charging. Always remain close to the charging cells to constantly monitor the charging process and react to any potential problems should they occur.
- Avoid short-circuiting the battery. Though short-circuiting for short time will not damage the battery, doing so for a long time will damage the battery and may overheat the battery causing burns, fire or explosion.