3.7V Lithium Polymer Battery Data Sheet

Model: 4045100

Please Find More:

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

File Number: A/FP45100-20619

File Version: 01

CONTACT

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

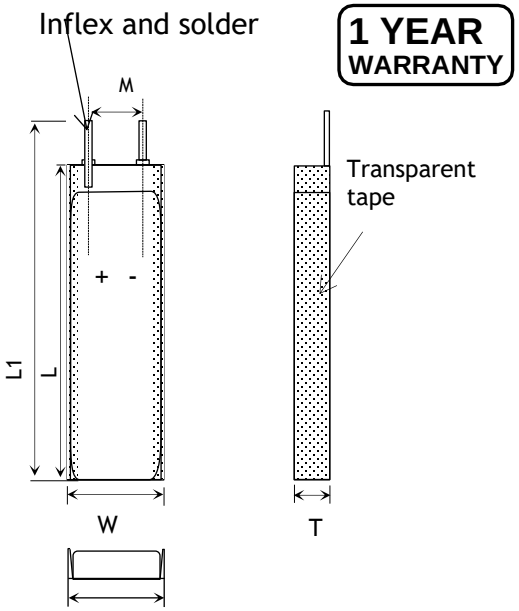
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 4045100
Nominal Voltage	3.7 V
Nominal Capacity	1800 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



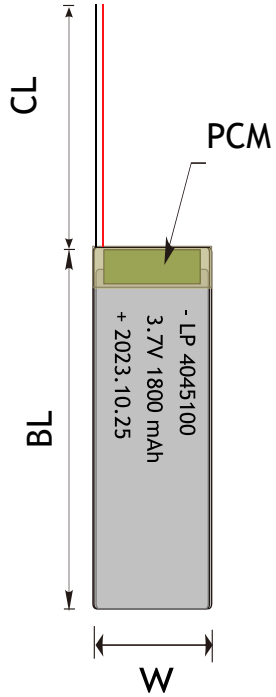
Item	Parameter (mm)
T	4
W	45
M	10
L	100
L_1	102
BL	102 ± 1
CL	100

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 45 x 4 mm(L*W*T)
Weight	30 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

BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS

Special Ingredients to make batteries work from -40 -85 ° C

Discharging Current up to 100C

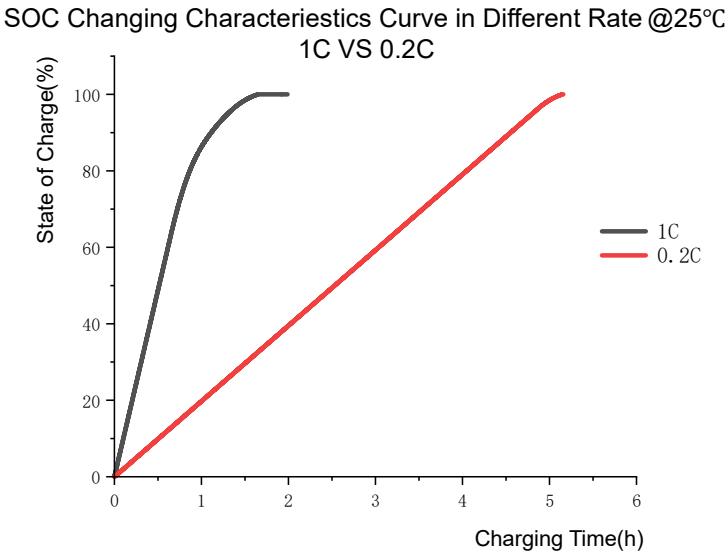
Popular JST,Molex,Hirose,Anderson available

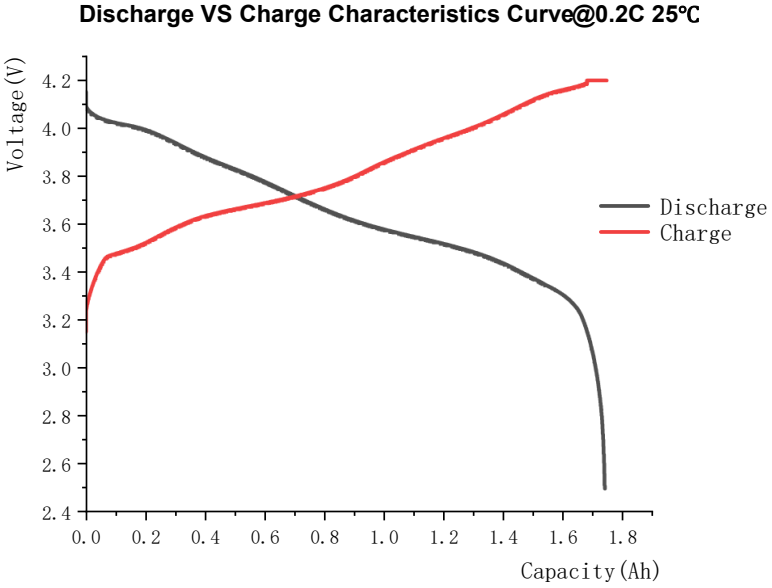
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Never store batteries inside a Vehicle.
- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- Intact batteries can be disposed of as Universal Waste. If the battery is greater than 9V, tape the terminals before disposal.
- Only authorized personnel may ship lithium batteries. Contact EHRS if there is a need to ship batteries.
- All batteries should be stored, charged and used in accordance with the manufacturer's instructions.
- Avoid using unauthorized charging devices.
- Keep all batteries out of the reach of children.
- NEVER put Li-Ion or LiPo batteries in the trash.
- 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.
- Avoid placing the battery in a damp environment.
- Regularly check the battery case for leaks or damage.