3.7V Lithium Polymer Battery Data Sheet

Model: 305866

Please Find More:

https://www.fpbattery.com/3-7v-1100mah-lithium-polymer-battery/

File Number: A/FP5866-4981

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

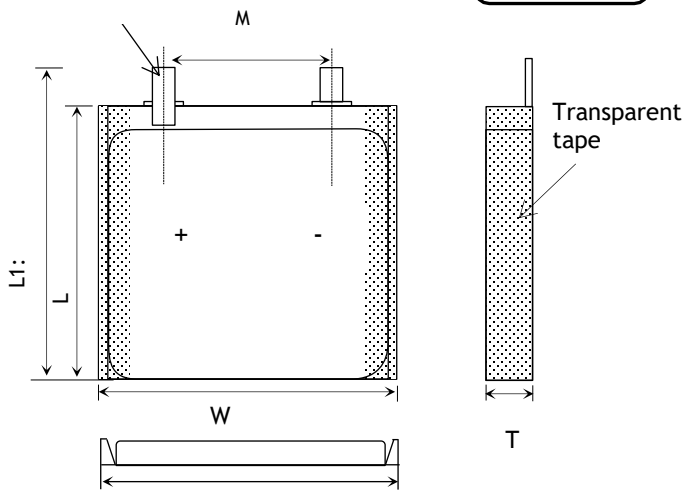
BATTERY SPECIFICATION

Part Number	DNK 305866
Nominal Voltage	3.7 V
Nominal Capacity	1100 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

Inflex and soler



Item	Parameter (mm)
T	3
W	58
M	10
L	66
L_1	68
BL	68 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

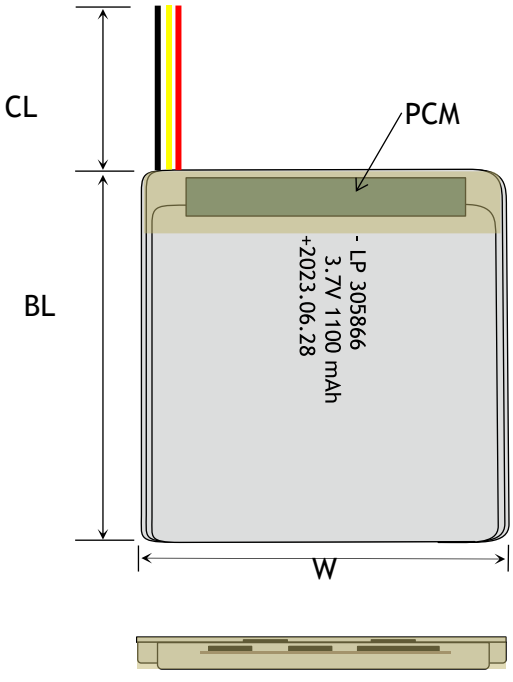
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	68x 58 x 3 mm(L*W*T)
Weight	Around 18 g
Battery Terminals	WC/ FL *



CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* aWC=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

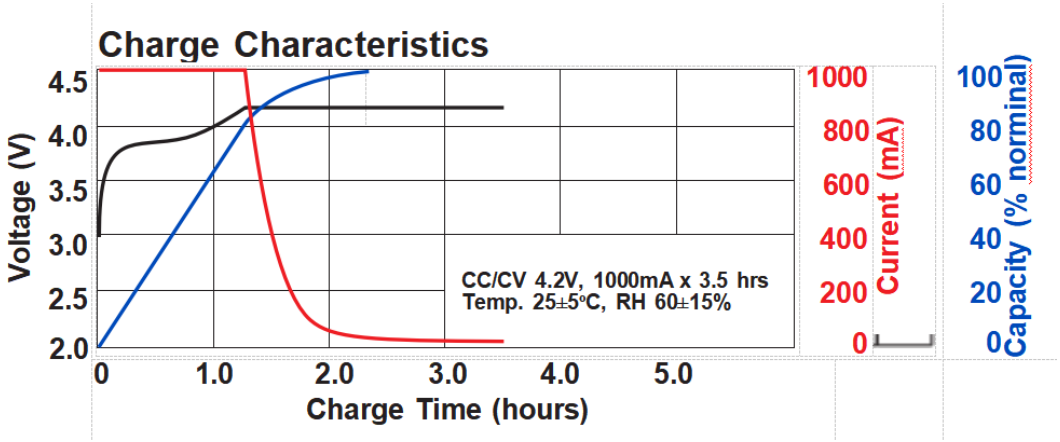


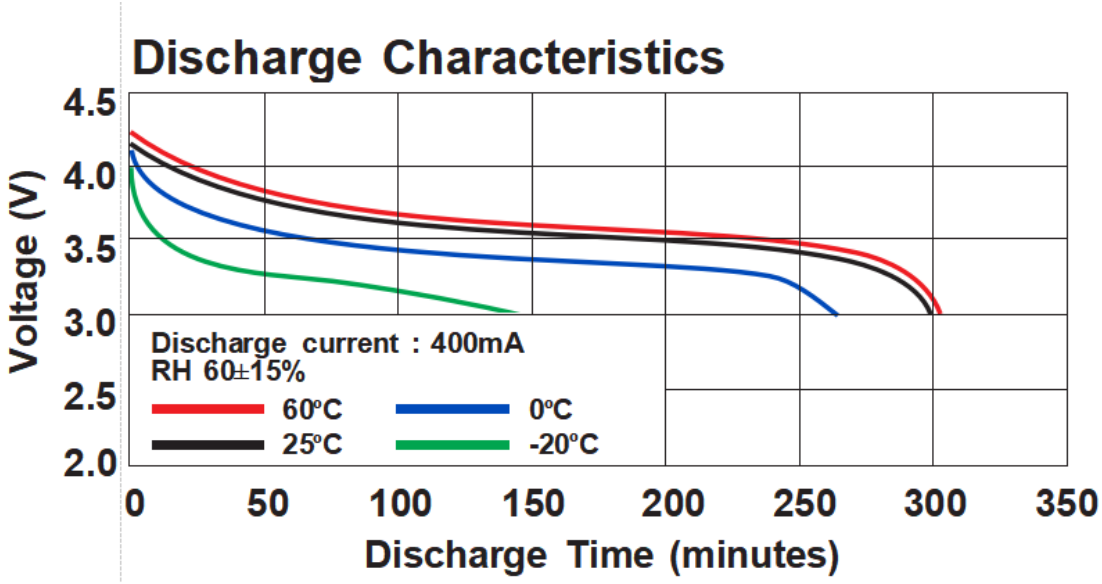
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Always check the voltage of Batteries before each charge session in order to ensure they are at or above the minimum safe starting voltage. If starting voltage is below recommended levels than Batteries have been over discharged or have experienced a failure and should NOT be charged
- Do not charge Lipo batteries inside a car. Do not charge Lipo batteries inside a RC model.
- Let batteries cool down prior to charging.
- Charge only with an approved LiPo charger, according to the parameters for the particular battery
- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- Do not store or use the battery with objects that could cause a short circuit such as coins, metal objects etc.
- Do not expose the battery to high temperatures to avoid overheating.
- Never, under ANY circumstances let the positive and negative battery leads touchThis can lead to cell ballooning, cell damage, fire or an explosion. If you notice your LiPo battery pack is If necessary, put the battery in a non-combustible bucket or container and observe it for 15 minutes . swelling, disconnect the charging device immediately.
- Never charge LiPo batteries near any flammable products, including liquids or gases.
- The battery must be installed in the model on a flat surface.
- Before starting work, inspect your battery for signs of damage prior to each use: bulging, hissing, leaking, or smoking. Do not use your battery if it displays any of these characteristics.