3.7V Lithium Polymer Battery Data Sheet

Model: 406865

Please Find More:

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

File Number: A/FP6865-1201

File Version: 01

CONTACT

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

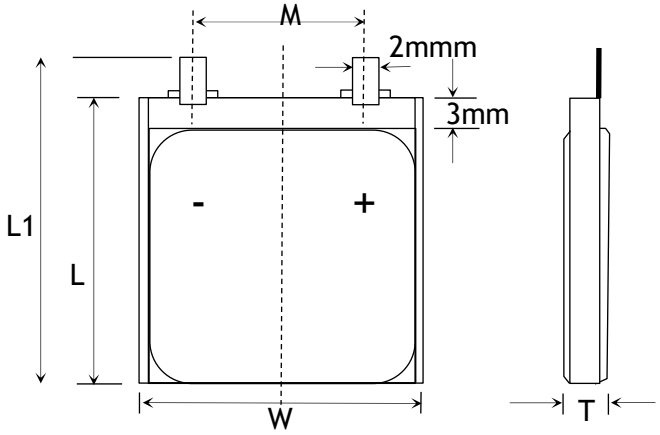
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 406865
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 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	68
M	10
L	65
L_1	67
BL	67 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

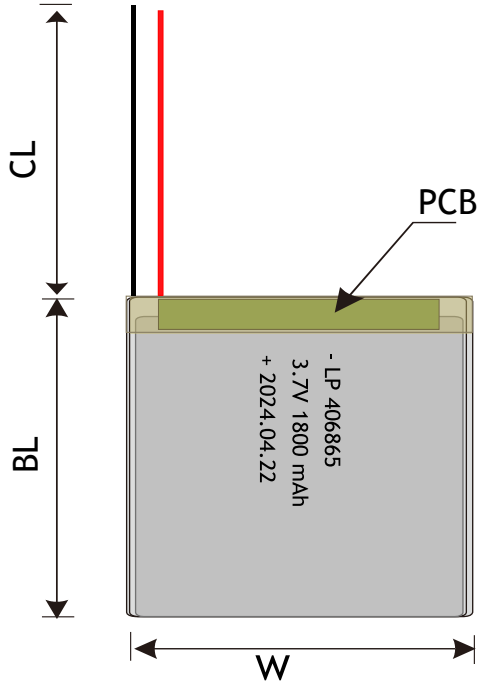
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	67x 68 x 4 mm(L*W*T)
Weight	Around 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

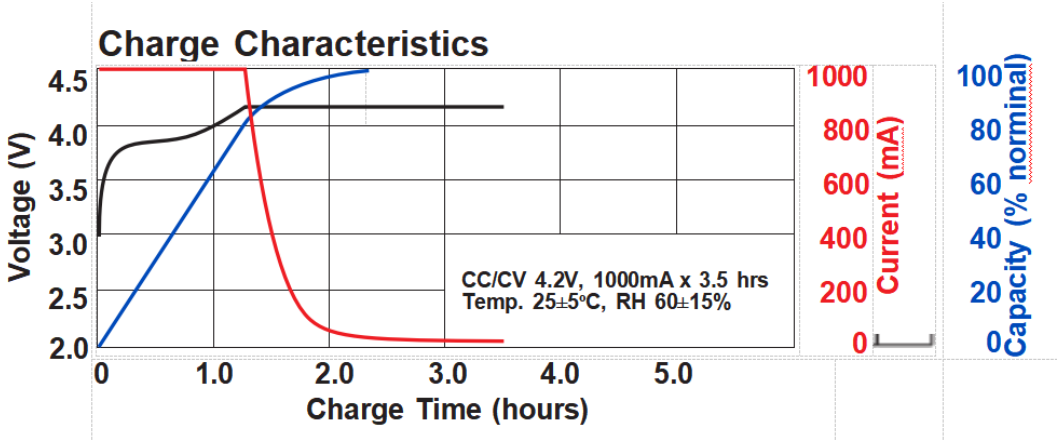


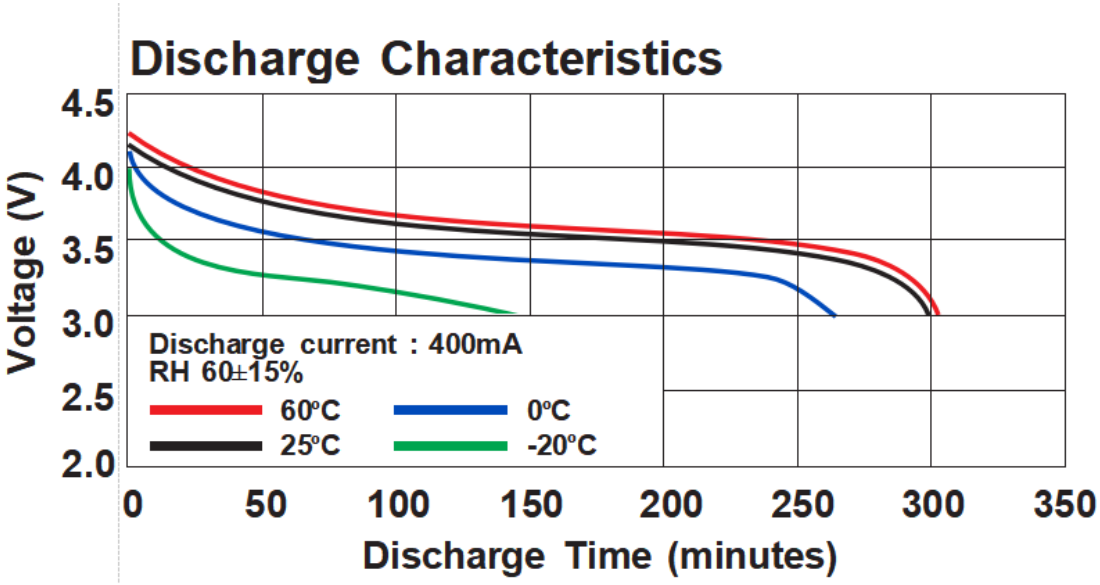
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Do not expose the battery to strong acids or alkalis.
- ALWAYS evacuate the room or space and notify others to evacuate.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- ALWAYS tape over the terminals/contacts of each battery (a fire can start if battery terminals come into contact with each other or other metallic items in the area).
- Do not dispose of the battery in the regular trash.
- NEVER put Li-Ion or LiPo batteries in the trash.
- ALWAYS use the "Balance Charge" setting on your charger. If your charger does not have this feature then don't use it and invest in one that does.
- Let batteries cool down prior to charging.
- Do not charge dissimilar or un-matched packs in series or parallel with any difference in cell type, cell capacity, manufacturer, age, pack capacity or charge state (+/0.03V per cell). If in any doubt, always charge them separately.
- Read and understand the battery's instruction manual carefully before use.
- 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.