3.7V Lithium Polymer Battery Data Sheet

Model: 304448

Please Find More:

https://www.fpbattery.com/3-7v-600mah-lithium-polymer-battery/

File Number: A/FP4448-3992

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

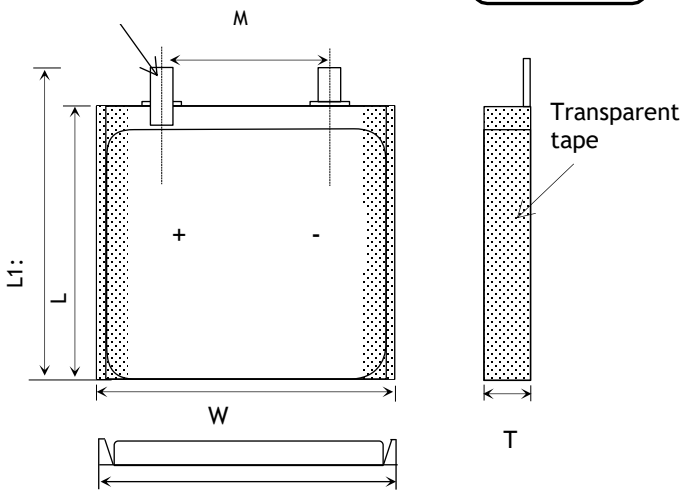
BATTERY SPECIFICATION

Part Number	DNK 304448
Nominal Voltage	3.7 V
Nominal Capacity	635 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	44
M	10
L	48
L_1	50
BL	50 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

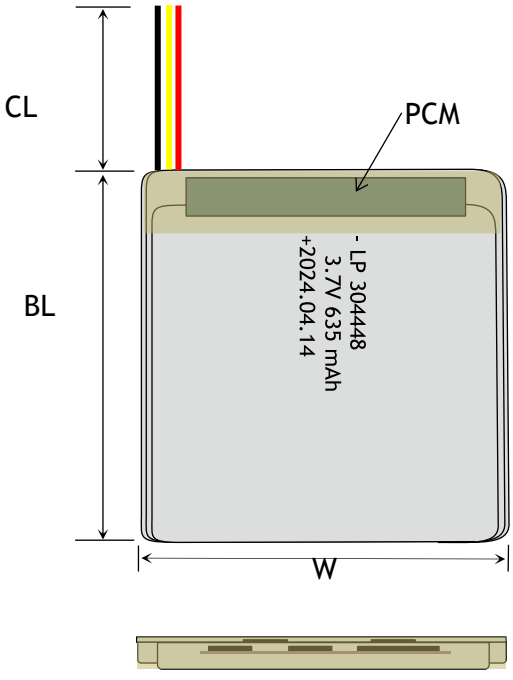
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	50x 44 x 3 mm(L*W*T)
Weight	Around 10 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

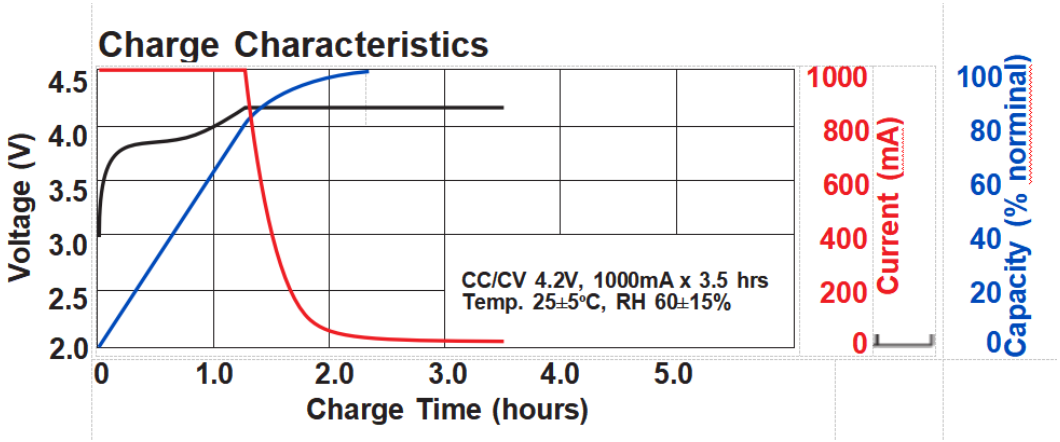


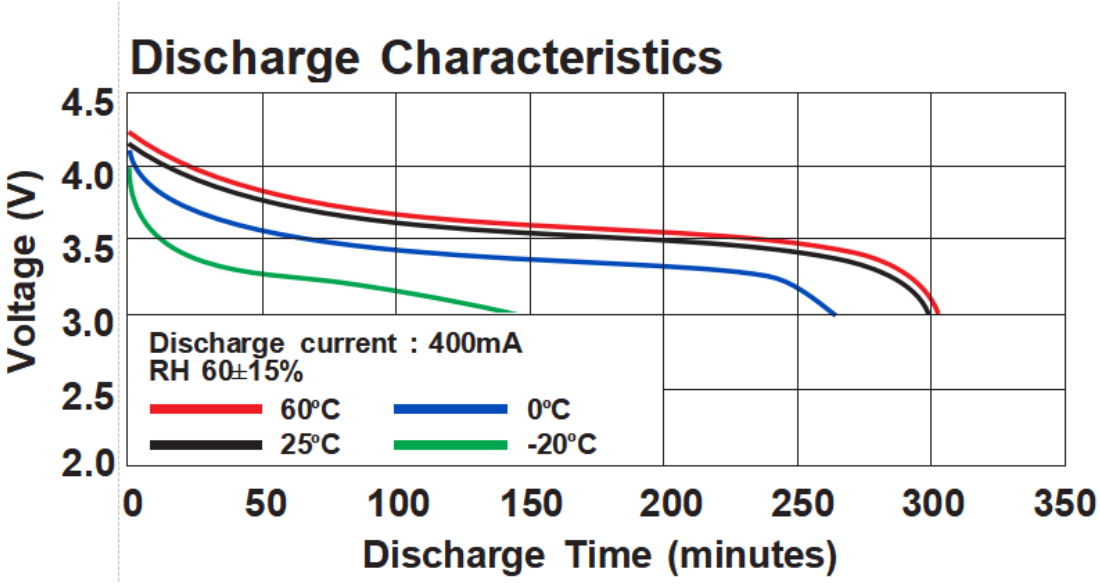
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Do not discharge a LiPo battery at a rate exceeding the maximum continuous discharge current specified for it. Otherwise, the battery will overheat and result in battery deterioration, bursting, ballooning, or possibly cause a fire or explosion.
- If you have dropped or damageda LiPo battery in anyway, do not attempt to charge it.
- Do not apply excessive mechanical stress to the battery.
- ALWAYS immediately disconnect the charging cord from the wall outlet if batteries or equipment develop heat/smoke, unusual odors, or show evidence of bulging (changes in shape or geometry).
- Manually check the temperature of your LiPo battery pack constantly during charging. LiPo cells should never rise above ambient temperature when being charged.
- If you notice hot cells, disconnect the charger and remove any external short circuit if present.
- Discharging capacity can't exceed 80% of the max capacity after full charging to ensure a good cycle performance
- Read and understand the battery's instruction manual carefully before use.
- Take necessary safety measures to prevent the battery from short-circuiting.
- Never discharge Batteries at amperage rates higher than specified on Batteries' labels
- For best practice store standard lipo batteries at 3.80 volts +/.05 volts per cell. Or at the manufacturer's suggested storage voltage for non standard chemistry's