3.7V Lithium Polymer Battery Data Sheet

Model: 306090

Please Find More:

https://www.fpbattery.com/3-7v-1600mah-lithium-polymer-battery/

File Number: A/FP6090-12065

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/

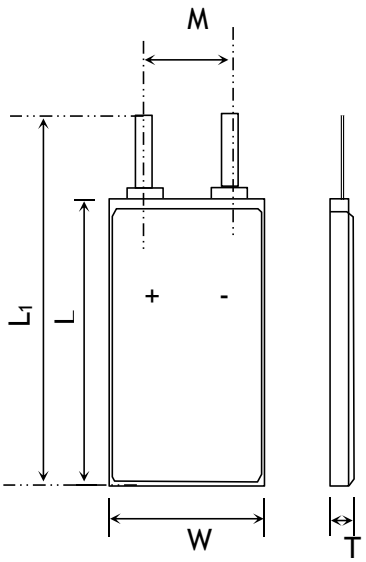
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 306090
Nominal Voltage	3.7 V
Nominal Capacity	1600 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	3
W	60
M	10
L	90
L_1	92
BL	92 ± 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

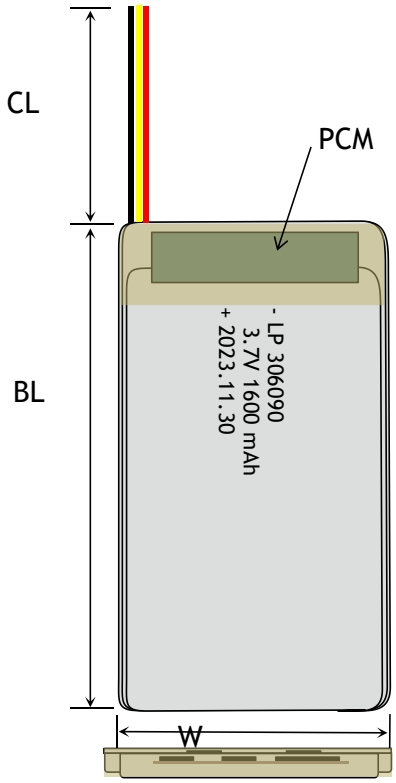
MECHANICAL SPECIFICATIONS

Dimensions	92x 60 x 3 mm(L*W*T)
Weight	Around 26 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

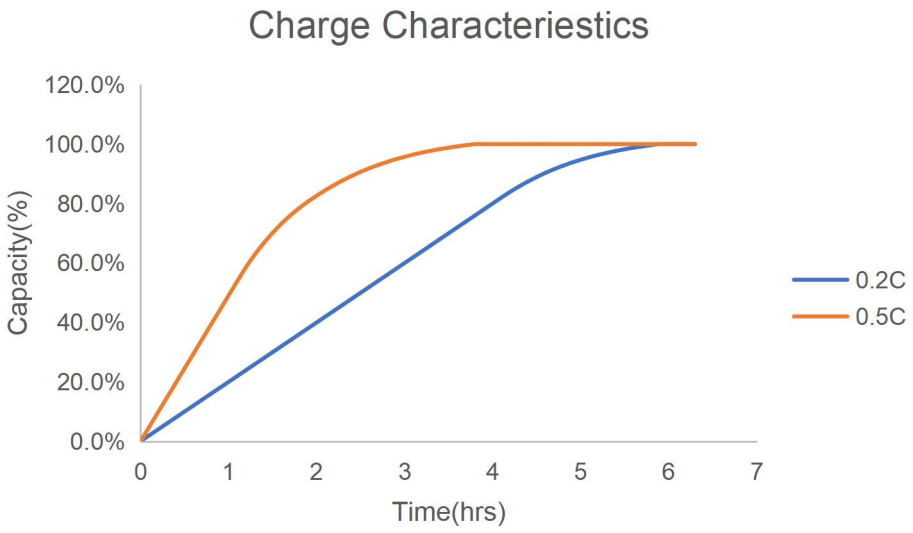


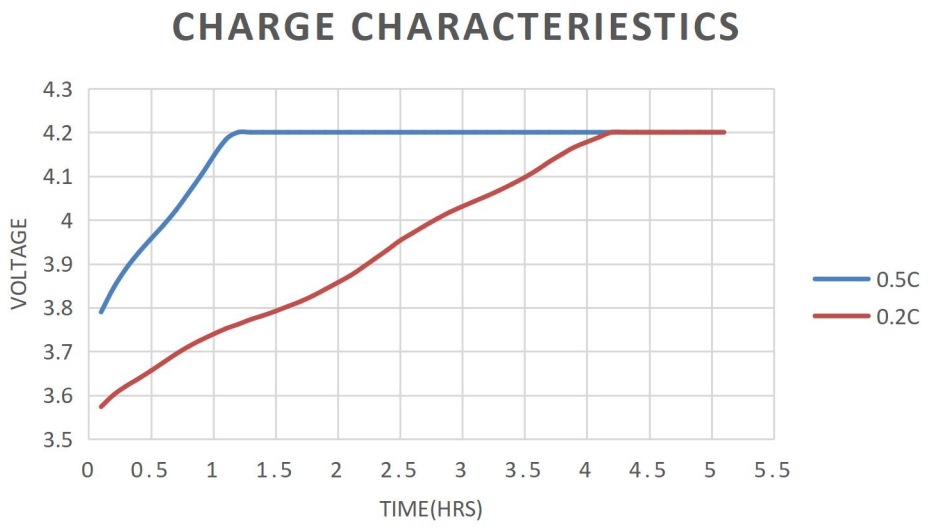
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- Avoid purchasing low quality batteries to avoid accidents.
- Charge on non-conductive, non-combustible surfaces.
- Dispose of defective Lipos in accordance with local ordinances and in a safe manner.
- Protect from the frost, and also temperatures above 60 degrees Centigrade. Batteries should never be in the sun, on hot surfaces.
- Never charge LiPo batteries near any flammable products, including liquids or gases.
- The battery must be charged to an ambient temperature of 10°C~45°C.
- Always charge the LiPo battery outdoors or in a ventilated area away from flammable objects and surfaces.
- Never remove the battery from its protective plastic case.
- 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).
- A 5s4p battery pack means that the pack contains 5 cells in a series circuit and 4 cells in a parallel circuit. Since each cell is 3.7v (nominal) a 5s LiPo battery has a nominal voltage of 18.5V, a fully charged voltage of 21.0V and a maximum discharged voltage of 15.0V before damage occurs.